

20000811.qrp v01_n910.qrl.20000811

Date: Fri, 11 Aug 2000 19:03:07 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1910

QRP-L Digest 1910

Topics covered in this issue include:

- 1) [77069] Re: WARNING re License Renewals and ULS (vs CORES)
by "Chuck Carpenter" <w5usj@globeco.net>
- 2) [77070] SWR
by Anthony Felino <anthony@pacinfosb.com>
- 3) [77071] A QRP Meeting
by Glen Reid <k5fx@flash.net>
- 4) [77072] Inverted Vee
by ARDUJENSKI@aol.com
- 5) [77073] K0EVZ?
by Bruce Rattray <rattray@gpfn.sk.ca>
- 6) [77074] Re: K0EVZ?
by Macstein@aol.com
- 7) [77075] FOX:
by N10DL@aol.com
- 8) [77076] FOX:
by N10DL@aol.com
- 9) [77077] Re: K0EVZ?
by Paul Womble <pwomble1@tampabay.rr.com>
- 10) [77078] Fox #10 was easy
by "Karl F. Larsen" <k5di@zianet.com>
- 11) [77079] Re: Telephone toroids?
by "kw3u@warwick.net" <kw3u@warwick.net>
- 12) [77080] Portable Doublet feedline alternative - lightweight!
by Mike Pupeza <mpupeza@altavista.com>
- 13) [77081] Dremel Disks
by lnrr@juno.com
- 14) [77082] Re: K0EVZ?
by K1JD@aol.com
- 15) [77083] Re: K0EVZ?
by "Karl F. Larsen" <k5di@zianet.com>
- 16) [77084] Doc da FOX
by "Glenn Maclean" <glennmaclean@ix.netcom.com>
- 17) [77085] FOX
by N10DL@aol.com
- 18) [77086] Fox now on 14.059.7
by Paul Womble <pwomble1@tampabay.rr.com>
- 19) [77087] Re: K0EVZ?

by "Karl F. Larsen" <k5di@zianet.com>
20) [77088] Re: K0EVZ?
by tom palmer <n1tp@worldnet.att.net>
21) [77089] WTT: OHR Explorer II for OHR DD-1
by "Tim Cook" <timcook@erinet.com>
22) [77090] FOX: band stayed LONG
by Richard Powell <ripowell@mpna.com>
23) [77091] FOX:
by tom palmer <n1tp@worldnet.att.net>
24) [77092] FOX No Joy! ;-(
by "Rod, N0RC" <n0rc@qsl.net>
25) [77093] FOX: SWAMP RATS SWEEP in Hunt 11
by tom palmer <n1tp@worldnet.att.net>
26) [77094] Re: Telephone Toroids
by George Gingell <k3tks@u1.abs.net>
27) [77095] FOX: Nothing heard in VA
by "Jim McKinley" <flyable@starpower.net>
28) [77096] FOX
by "Jay Henson" <jbhenson@zebra.net>
29) [77097] Re: FOX: Nothing heard in VA
by Bruce Rattray <rattray@gpfn.sk.ca>
30) [77098] FOX - Doc went slip slidin' away...
by Lew Paceley <lew@paceley.com>
31) [77099] FOX - The amazing DOC
by Macstein@aol.com
32) [77100] FOX: No fox but lots of great help
by N10DL@aol.com
33) [77101] FOX K0EVZ--Whew :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
34) [77102] PHASED VERTS: SECRET WEAPON
by S LYON <sslyon@worldnet.att.net>
35) [77103] FOX: Skunked in CO :-(
by "Marshall Emm" <mgemm@mtechnologies.com>
36) [77104] zenith to7000 /hamkey sold tn timer
by "Michael Herman" <kc9nf@hotmail.com>
37) [77105] Re: Dremel Cut-off Wheels- Reinforced
by George Gingell <k3tks@u1.abs.net>
38) [77106] Fox Doc
by Pete Burbank <plburbank@kih.net>
39) [77107] Skunked in MO too:-(
by "David Bixler" <qrp@netins.net>
40) [77108] Fox: No Cheese for Doc da Fox
by "Jerry Scherkenbach" <jerrys@execpc.com>
41) [77109] MD crab skunked by ND fox
by "Nick Yokanovich" <k3ny@toad.net>
42) [77110] Re: Teaching 5 WPM Code
by Russ Dow <n7dw@garlic.com>
43) [77111] Re: Vertical Antenna Supports

- by George Gingell <k3tks@u1.abs.net>
- 44) [77112] Re: Fox Doc
by "Marshall Emm" <mgemm@mtechnologies.com>
- 45) [77113] FOX: No SWEEP for them Swamp Rats
by tom palmer <n1tp@worldnet.att.net>
- 46) [77114] Items FS; Going QRP QRT
by Jerry Albertin <kg2jff@juno.com>
- 47) [77115] FOX: POOR Band conditions during Hunt 11
by tom palmer <n1tp@worldnet.att.net>
- 48) [77116] RE: Teaching 5 WPM Code
by Arthur Laurent <ALaurent@npr.org>
- 49) [77117] OT Airplane
by "Karl F. Larsen" <k5di@zianet.com>
- 50) [77118] FOX - dodging the storms
by n5ib@juno.com
- 51) [77119] re: USI contest
by Jim Hale <kj5tf@yahoo.com>
- 52) [77120] August 26 & 27 DCHF/NM Hamfest
by jaywa5whn@juno.com
- 53) [77121] FOX- No go in VT
by John Wagner <john@neknetwork.com>
- 54) [77122] Use of a Tuner - Results
by ekwik@rtimail.com
- 55) [77123] Jumping P-TICKS
by AD6JY@aol.com
- 56) [77124] help please with TRIO 538
by "Merryprankster@cwcom.net" <merryprankster@cwcom.net>
- 57) [77125] Re: OT Airplane
by Bruce Muscolino <w6toy@erols.com>
- 58) [77126] Toroid colors
by Bill Walker <windal@azstarnet.com>
- 59) [77127] Re: OT Airplane
by "Mike Yetsko" <myetsko@insydesw.com>
- 60) [77128] RE: Toroid colors
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 61) [77129] Re: OT Airplane 2 on topic lightning
by "Mike Yetsko" <myetsko@insydesw.com>
- 62) [77130] RE: Phased verticals
by "AI2Q Alex" <ai2q@ispchannel.com>
- 63) [77131] BUBBA
by Bob Hightower <nk7m@extremezone.com>
- 64) [77132] Vacation
by NB6M@aol.com
- 65) [77133] Re: WARNING re License Renewals and ULS (vs CORES)
by Monte Stark <ku7y@dri.edu>
- 66) [77134] NEQRP net a bust
by "Steven Weber" <kd1jv@moose.ncia.net>
- 67) [77135] Re: WARNING re License Renewals and ULS (vs CORES)

- by Shepherd@aol.com
- 68) [77136] Contest: BUBBA Results 1999
by Brian Kassel <bkassel@dancris.com>
- 69) [77137] Re: WARNING re License Renewals and ULS (vs CORES)
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 70) [77138] KIT: Beta NOGAwatt SWR meter finished
by Sam Billingsley <SBillingsley@usaninc.com>
- 71) [77139] RE: WARNING re License Renewals and ULS (vs CORES)
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 72) [77140] Re: WARNING re License Renewals and ULS (vs CORES)
by "Manager QRP-L" <manager@astro.cc.lehigh.edu>
- 73) [77141] Wnated: LED SWR Indicator Circuit
by "Randall" <Firefox@Southwind.net>
- 74) [77142] Re: WARNING re License Renewals and ULS (vs CORES)
by Shepherd@aol.com
- 75) [77143] Gold Rush event is THIS SUNDAY!
by "Marshall Emm" <mgemm@mtechnologies.com>
- 76) [77144] Re: Wnated: LED SWR Indicator Circuit
by tbowman@nbn.net
- 77) [77145] Re: Items FS; Going QRP QRT
by Jerry Albertin <kg2jff@juno.com>
- 78) [77146] K0EVZ FOX log (first draft)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 79) [77147] OT: Audio filter code snippet sought
by "Niel Skousen" <nskousen@scientech.com>
- 80) [77148] K1 Shipping Status; New K2 Review
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 81) [77149] PROP- Auroral effects in Anchorage de AL7FS
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 82) [77150] RE: Teaching 5 WPM Code
by Bill Coleman AA4LR <aa4lr@radio.org>
- 83) [77151] Re: WARNING re License Renewals and ULS (vs CORES)
by "Karl F. Larsen" <k5di@zianet.com>
- 84) [77152] Contest: BUBBA Contest Now Supported in QRPDUPÉ Program
by Brian Kassel <bkassel@dancris.com>
- 85) [77153] [PROP] Lunchtime update
by "Paul Harden, NA5N" <na5n@rt66.com>
- 86) [77154] Re: One Half of a G5RV
by Shepherd@aol.com
- 87) [77155] "QRP DX TU" or Thanks for the kind words.
by George Gingell <k3tks@u1.abs.net>
- 88) [77156] One Half of a G5RV
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 89) [77157] ATU for the K2
by "Mike Yetsko" <myetsko@insydesw.com>
- 90) [77158] Ft Tuthill Building Contest Winners
by "Ron Polityka" <wb3aal@fast.net>
- 91) [77159] Re: "no-see-um" antenna

by Jon Iza <iapizloj@bicc00.bi.ehu.es>
92) [77160] RE: ATU for the K2
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
93) [77161] Re: Ft Tuthill Building Contest Winners
by Jerry Haigwood <w5jh@swlink.net>
94) [77162] Re: Ft Tuthill Building Contest Winners
by "Ron Polityka" <wb3aal@fast.net>
95) [77163] RE:FS QRP QRT
by Jerry Albertin <kg2jff@juno.com>
96) [77164] Re: [PROP] Lunchtime update
by "Karl F. Larsen" <k5di@zianet.com>
97) [77165] Re: Jumping P-TICKs
by "John Moriarity" <k6qq@hdo.net>
98) [77166] Appalachian Trail Station 8/12
by Ken Newman <N2CQ@citnet.com>

Date: Thu, 10 Aug 2000 18:25:31 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: mgemm@ntechnologies.com, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [77069] Re: WARNING re License Renewals and ULS (vs CORES)
Message-ID: <3.0.2.32.20000810182531.007c97d0@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

My ULS registration was all messed up and I couldn't find a way to fix it on line.

When I got the letter describing the CORES system I checked it out via the web address included.

I was able to fix everything via CORES and all is well now.

<https://haifoss.fcc.gov:8040/cores/CoresHome.html>

Chuck Carpenter, Point, Rains County, Texas -- EM22cv, RARA #003
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

Date: Thu, 10 Aug 2000 16:17:29 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: ekwik@rtimail.com, qrp-l@lehigh.edu

Subject: [77070] SWR

Message-ID: <Chameleon.965950741.anthony@anthony-400>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

Ed,

"Is this right? I have a MFJ 971 QRP tuner. It has a built in cross needle SWR meter. When I want to measure an antennas SWR I do the following. I put my 50 ohm dummy load on the tuner's antenna connector and adjust it for a 1:1 reading. I disconnect the dummy load and attach the antenna and without making any adjustments to the tuner, I read the SWR. Am I doing anything stupid?"

Well, it's not stupid, it just doesn't do anything useful. The SWR bridge in the tuner is the first thing the transmitter sees, then the tuner, then the feedline to the antenna. So you are just measuring the SWR between the transmitter and tuner, which doesn't tell you anything in your case. Whatever settings you have dialed into your tuner will drastically alter the impedances the bridge sees, and so will change the measured SWR.

About the only way to measure SWR of an antenna is to put a bridge right at the feedpoint.

Or you can use an impedance bridge at the feedpoint and then calculate SWR. But any feedline will change the SWR as seen at its transmitter end, for a variety of reasons. You don't always want to measure the SWR at the antenna. If your tuner has a bypass switch that keeps the bridge in the line you can measure the SWR at the transmitter end of the feedline, which is sometimes a more valuable measurement.

For the most part, the only folks concerned about SWR as such are those who are using resonant antennas fed with coax, in which case the SWR must be kept low. In this case any reading you get above about 3 to 1 is not necessarily meaningful because of coax losses, reflections, etc. In fact, the longer and lossier the coax the "better" the match. If your measured SWR is less than 2 to 1 or so you can generally be assured that the SWR at the antenna is not too bad.

I hope this makes sense.

73, WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Thu, 10 Aug 2000 18:56:32 -0500
From: Glen Reid <k5fx@flash.net>
To: AQR List <AQR@onelist.com>, QRP-1 <qrp-1@lehigh.edu>, HQR List
<hqrp@stevens.com>
Subject: [77071] A QRP Meeting
Message-ID: <39934130.BB552373@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just a reminder of the AUSTIN QRP Club (A QRP) meeting this Saturday.

Check the web page for details: <http://www.qsl.net/kq5rp/index.html>

See you there.

gr

--

GLEN REID

...in the beautiful hill country of TEXAS...

Email: k5fx@arrl.net

"The difference between genius and stupidity is that genius has its
limits"

Date: Thu, 10 Aug 2000 21:02:27 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [77072] Inverted Vee
Message-ID: <6a.5977ec4.26c4aaa3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In Noll's book 73 Vertical, Beam and Triangle Antennas he shows a 40M inverted vee with a director /reflector spaced about 20ft apart. The director/reflector is a 61ft 8 in wire with 3ft 4 inch wires on each end that can be added in for reflector ops or un attached for use as a director.

I am waiting for my mast materials to arrive. In the meantime I was interested if any of you have tried this arrangement with any degree of success. Alan KB7MBI

Date: Thu, 10 Aug 2000 19:07:56 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [77073] K0EVZ?
Message-ID: <Pine.LNX.3.95.1000810190716.29731A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is Doc on or am I too close?

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Thu, 10 Aug 2000 21:10:45 EDT
From: Macstein@aol.com
To: rattray@gpfn.sk.ca, qrp-l@lehigh.edu
Subject: [77074] Re: K0EVZ?
Message-ID: <c9.77f3b98.26c4ac95@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 08/10/100 8:09:03 PM EST, rattray@gpfn.sk.ca writes:

> Is Doc on or am I too close?

I have SSB on 059 and S9 noise on 057 A QS0 on 060... naaaahhh it's not just you!!

-MAC-
AF4PS

Date: Thu, 10 Aug 2000 21:10:44 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [77075] FOX:
Message-ID: <9a.84fd08b.26c4ac94@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Seems that is is on 14.055 from what I can hear. I hear the hounds, but not him
Aron
N10DL

Date: Thu, 10 Aug 2000 21:12:38 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [77076] FOX:
Message-ID: <a6.85a701e.26c4ad06@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Got the hounds here in NH but not the FOX. Who got him first tonight?
Aron
N10DL
Bedford, NH

Date: Thu, 10 Aug 2000 21:13:09 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Macstein@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77077] Re: K0EVZ?
Message-ID: <39935325.EAC4EEC4@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doc is on 14.055.

Paul AJ4Y

Date: Thu, 10 Aug 2000 19:27:06 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [77078] Fox #10 was easy
Message-ID: <Pine.LNX.4.10.10008101923130.1764-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Boy, it's a snap when the FOX does what he says he will. Doc said he was going to start listening up a few Kc so Called him there and at 0102 he called me! I think he has his bug wound up just a bit too fast but he is working them pretty fast tonight.

Nothing like 2 watts to a TH6-DXX beam at 50 feet. Doc is now 599+20 here in southern NM.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 10 Aug 2000 21:24:45 -0400
From: "kw3u@warwick.net" <kw3u@warwick.net>
To: mightymik2@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77079] Re: Telephone toroids?
Message-ID: <399355DD.296B1C8B@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

At work, when a load coil starts going bad the individual problems are fixed now with an item called a pocket load. not sure if they are 88mhy or 44 but will corner one of the outside denizons to check it out. they are available, i'll try to get info.

Jim kw3u

Date: 10 Aug 2000 18:33:19 -0700
From: Mike Pupeza <mpupeza@altavista.com>

To: qrp-1@lehigh.edu
Subject: [77080] Portable Doublet feedline alternative - lightweight!
Message-ID: <20000811013319.18498.cpmata@c012.sfo.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

QRP portablers, backpackers, climbers, kayakers etc.;

I have been trying an alternative feedline for the Black Widow, SD mounted doublets.

How about the old common Telco Cross-connect wire, in the 24 gauge, or the, rarer but available, 22 gauge?

This wire, available CHEAP, at most Hamfests, is used by Telephone Companies for cross-connecting 600 ohm lines on their frames or cross-connect fields.

It is insulated, sloppily spaced and twisted, but, apparently, conforms to their standards.

It comes on boxes of MANY feet - CHEAP!

In addition, you can actually 'untwist' enough to make a dipole for 40M easily, or a 'fake' mini-G5RV, with integral feedline!

I've fed it to my LDG QRP automatic tuner directly - works fine. But I will try going through a homemade 4: balun.

So, what do the 'gurus' say about this, as opposed to the 'heavier' alternatives?

Separate notation!

I have found that #28 White teflon coated wire is as 'invisible' as you can get! Actually, fishing monofilament is 'MORE' invisible! Regrettably, it doesn't transmit on my desired frequencies!

72, 73

Mike Pupeza VE3EQP

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<http://www.zdnet.com/downloads/altavista/index.html>

Date: Thu, 10 Aug 2000 20:43:05 -0500
From: lnrr@juno.com
To: qrp-1@Lehigh.EDU
Subject: [77081] Dremel Disks
Message-ID: <20000810.204306.-245639.4.lnrr@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dremel makes a heavy duty disk in addition to the one that normally comes with the starter packages. These last MUCH longer for heavy jobs.

I was making railroad passenger car coach keys (like the old skeleton keys) from blanks using a Dremel. With the standard disks, I was using 1+ disks per key. With the heavy duty disks, I rarely had breaks and could usually wear the disk down so small that I had to change it because of too small a diameter!

Like the light disks, the heavy disks will shatter. The key to disk life is to keep the disk absolutely parallel to the cut; any deviation will cause binding which can shatter the disk.

The Dremel tool is great to have around the house. I just got finished using mine to cut off a rod in a towel holder before I came in to check my email. Model railroaders are big Dremel users, especially those who are kit bashers. (A kit basher is someone who cuts up one or more kits and adds other parts to model something that is not available as a kit.) Railroad Model Craftsman magazine even has a monthly Dremel tool award for creative kit bashing!

Another good ham use for the disks is making clean cuts on mobile antennas when adjusting SWR.

A good starter set can be obtained for about \$50 - \$70, depending on whether it is on sell and what goodies come with the kit.

Bryan Turner W8LN
<http://homestead.juno.com/lnrr/index.html>
<http://www.qsl.net/w8ln/>

North AL/Middle TN Railfan List -
<http://www.egroups.com/group/decaturnjunction>

Date: Thu, 10 Aug 2000 21:42:13 EDT
From: K1JD@aol.com
To: Macstein@aol.com, qrp-1@lehigh.edu

Subject: [77082] Re: K0EVZ?
Message-ID: <b8.9bc0892.26c4b3f5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Not a whisper from Doc in RI tonight, but the 7's and 4's are loud!

73,
John K1JD
Jamestown, RI IOTA NA031
<http://hometown.aol.com/k1jd/index.html>
K2's #139 & #583 (& #917 & #948)

Date: Thu, 10 Aug 2000 19:47:05 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Paul Womble <pwomble1@tampabay.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77083] Re: K0EVZ?
Message-ID: <Pine.LNX.4.10.10008101946440.2181-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

He has moved to 14.058 about.

On Thu, 10 Aug 2000, Paul Womble wrote:

> Doc is on 14.055.
>
> Paul AJ4Y
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 10 Aug 2000 18:40:54 -0700
From: "Glenn Maclean" <glennmaclean@ix.netcom.com>
To: <qrp-1@Lehigh.EDU>
Subject: [77084] Doc da FOX

Message-ID: <002701c00335\$30abf660\$2088fea9@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doc was weak here in Sacramento, CA. I got a pelt at 01:19 tonight. Yipee! I don't think I would have been able to work him if was not for my trusty little K2.

Doc thanks for the pelt and all your hard work!

Glenn WA7SPY

Date: Thu, 10 Aug 2000 21:53:31 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [77085] FOX
Message-ID: <79.8176ce5.26c4b69b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

The wall is up again in NH. But I am determined....
Aron
N10DL
Bedford, nh

Date: Thu, 10 Aug 2000 21:53:37 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77086] Fox now on 14.059.7
Message-ID: <39935CA1.2E16BBD8@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

with few callers.

The FISTS guys/gals are really out tonight making lots of QRM.

73
Paul AJ4Y

Date: Thu, 10 Aug 2000 19:59:23 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: K1JD@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77087] Re: K0EVZ?
Message-ID: <Pine.LNX.4.10.10008101958560.2233-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The FOX is now on 14.060 and getting weaker in NM.

On Thu, 10 Aug 2000 K1JD@aol.com wrote:

> Not a whisper from Doc in RI tonight, but the 7's and 4's are loud!
>
> 73,
> John K1JD
> Jamestown, RI IOTA NA031
> <http://hometown.aol.com/k1jd/index.html>
> K2's #139 & #583 (& #917 & #948)
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 10 Aug 2000 22:08:42 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77088] Re: K0EVZ?
Message-ID: <39936029.56BBD492@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's 0207 Zulu. Doc's on 14.060.20.

Tom, N1TP,

"Karl F. Larsen" wrote:

> He has moved to 14.058 about.
>
> On Thu, 10 Aug 2000, Paul Womble wrote:
>
> > Doc is on 14.055.
> >
> > Paul AJ4Y
> >
> >
> >
> >
>
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 10 Aug 2000 22:16:19 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [77089] WTT: OHR Explorer II for OHR DD-1
Message-ID: <009901c0033a\$267badc0\$91765acf@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For trade only, an excellent condition OHR Explorer II for 40m, looks and works great with manual for an equally nice condition OHR DD-1 display with instructions. If you are interested please email direct with info
thanks
Tim
NZ8J

Date: Thu, 10 Aug 2000 22:30:01 -0400
From: Richard Powell <ripowell@mpna.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [77090] FOX: band stayed LONG
Message-ID: <01C0031A.8643B0B0.ripowell@mpna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

well, .5 hr to go in the hunt, and still no peep from MN in OH,,,
BUT i DO hear ac7hmk calling CQ!

-

Richard Powell, WB6JBM, TENTEN 13044, QRP-L 1118,
FPQRP-2, QRP-ARCI 10414
Senior Network Engineer, Belcan IT Division
MCSE, CNA.
ripowell@mpna.com <http://www.mpna.com/ripowell>
ICQ 39245532

Date: Thu, 10 Aug 2000 22:35:39 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [77091] FOX:
Message-ID: <3993667B.7D8A6561@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As of 0234 Z Doc is calling on 14.059.30

Tom, N1TP

Date: Thu, 10 Aug 2000 20:41:30 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [77092] FOX No Joy! ;-(
Message-ID: <20000810204130.B28791@io.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Guess Doc is too close for me, bummer! Funny thing, I couldn't hear any hounds either. Perhaps the minor GMS is more of a downpour here. ;-) Oh well it wasn't a total loss. I heard Jerry, K6III [BTW sending K6III is fun, go try it quick I'll wait.....Oh your back, good] calling CQ, so I gave him a call for a quick chat--579 both ways CA<->C0. Guess the rig is working. Rig here was my hound-mobile with a twist. Just to be different I was using my NC20 tonight in place of the K2.

Ant was my PW-1 as shown on my web page. No tuner just put the PW-1 coil on the 20m mark I made.

73, Rod -- Lone Hound, No Club --
Fort Collins, CO

Date: Thu, 10 Aug 2000 22:53:02 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [77093] FOX: SWAMP RATS SWEEP in Hunt 11
Message-ID: <39936A8E.9151F073@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's official - Heard it on the FOX News Network:

The Swamp Rats have a SWEEP in Hunt 11.
Doc, the FOX, included.

I wonder how them "big dwags" are doing? A few of them
may be too close to Doc. We'll see.
I undertand Colo. is not doing too well this Hunt.

Tom, N1TP
Nqples, FL
QRP-L 1317

Date: Thu, 10 Aug 2000 22:52:57 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [77094] Re: Telephone Toroids
Message-ID: <Pine.BSF.4.21.0008102238220.54609-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ed Wetherhold, W3NQN in Annapolis Maryland is the man to contact for the Surplus Telephone Toroid coils. Ed Hare of ARRL (W1RFI) just posted the details on his address, etc.

A number of years ago Ed, did a lot of Filter Design work and was I believe an advisor to ARRL on the subject matter.

I think the Filter Design Tables in The ARRL Handbook are his work.

In any case, he is definately one of "The Experts" in the field.

He had an arrangement with the Phone Company to distribute the Coils to hams for design and experimentation.

He sells Kits which include the coils and "The Matched Capactors". They are the reason the "kits" have such a good value. The Caps are very closely matched for best results with the Designs.

Also I might remind all that he designed a cw filter using them. It was done in conjunction with the G-QRP Club in U.K. I recall an article in SPRAT on the design. I beleive quite a few of them were built in U.K.

You might want to check with Rev. George Dobbs, G3RJV on the details.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

Gingell & Company, Ltd. Small Business Telephone Systems

Notary Public and Locksmith Services

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Thu, 10 Aug 2000 23:00:26 -0400

From: "Jim McKinley" <flyable@starpower.net>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [77095] FOX: Nothing heard in VA

Message-ID: <00dc01c00340\$4dd88680\$c73bfea9@oemcomputer>

Been listening since 0100Z and heard nothing, not even a hound. Did hear other stations including one just a few minutes ago in Houston but.....no fox. Sigh...

Jim, WD40JY

Manassas, VA

Date: Thu, 10 Aug 2000 22:03:03 -0500
From: "Jay Henson" <jbhenson@zebra.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [77096] FOX
Message-ID: <001301c00340\$ab069720\$f8ee0cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello to all,

Da FOX was a tough one in AL tonite. When first heard (14.054), Doc's signal was just above the noise level and fading in and out. Not too many hounds heard. Thanks for digging me out, Doc. I was so surprised that you heard me that, without putting the brain in gear, I gave you the standard 559 report. In truth, I should have given a 339.

After about 45 minutes, Doc QSY'd to 14058. I don't know what changed but all of a sudden you were a solid S5 & 6 and no problems copying. Did you change antennas Doc or did the band improve? I listened until you QSY's to 140591. Although you were still S5, your signal sounded quite a bit weaker.

Interesting evening.

My very best to everyone.

Jay

AJ4AY Mobile, AL

QRP-L #1372 ARCI #8131 SOC#220 FP#115

Date: Thu, 10 Aug 2000 21:05:01 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Jim McKinley <flyable@starpower.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77097] Re: FOX: Nothing heard in VA
Message-ID: <Pine.LNX.3.95.1000810210230.3121A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You have company tonight Jim....hi hi.....been listening since 0100Z too but nothing until the last minute when I thought I heard Doc's whisper signal but no joy in Regina!!.. :-(...oh well, it wouldn't be a

challenge if we got the fox every time eh!?!?...good luck on Sunday!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Thu, 10 Aug 2000 21:55:44 -0500
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77098] FOX - Doc went slip slidin' away...
Message-ID: <017201c0033f\$a4b32240\$0332a8c0@roland.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Doc started about 449 here at my QTH in Texas off the north end of my 1/2 size G5RV. Shot a couple times but missed. Thought I heard W5YR get him early - good job. Then he was a 339. Shot a few more times - missed. Then a 339 with QSB. Waited for the upswing in signal strength, shot and missed. Then gone...never to be heard from again. Sometimes if you don't get 'em early, ya don't get 'em.

Had terrible narrow band noise up around 14058-14061. Dont' know if this is power line related or not but it was bad...made digging much of anything out of that range very, very difficult for me tonight.

The great thing about fox hunts is there's almost always another! Thanks Doc, maybe next time!!

72/73,
Lew
N5ZE

Date: Thu, 10 Aug 2000 23:17:11 EDT
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [77099] FOX - The amazing DOC
Message-ID: <4e.99586c4.26c4ca37@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks Doc, that was a wild ride. Interesting propagation all 2 hours. You had to hop around QSO's, a rolling band, SSB even on 059.... parts of the country couldn't even hear hounds, let alone you. I CAN'T WAIT to see this log. You were as loud as 579 and in 2 minutes gone! Right at the end, when you were lonely, your sig was solid 579 here. I feel for the hounds too close and those in the NE, many of my Flying PIG buddies, struggled, adjusted antlers, and ended up peltless fro the whole two hours. (Wish some of the DAWGS lived up there!!!!) I'm exhausted, can't imagine how YOU feel Doc!!

I faintly heard Chuck K7Q0 in a QSO up the band a tad... he's next on sked... ain't gonna be easy!

Thanks a ton, Doc, for a fun evening.

72 es "oo"

-MAC-

AF4PS - A Swamp Rat

Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643

QRP-L # 704, FISTS #5096, CC #754, NorCal #1998, Zombie #510, ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28, West FL QRP, TARC, ARS #751, Flying Pig QRP #-51 and various other annual \$15 commitments.

Date: Thu, 10 Aug 2000 23:21:15 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [77100] FOX: No fox but lots of great help
Message-ID: <c0.7ae1756.26c4cb2b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Spent the whole evening from the very beginning looking for the FOX. Mac, AF4PS was on e-mail with me and was spotting him for me. He has been a great help training my ears for the FOX and DX. Did not even hear him once. Next thing I know I had several (5-6) hounds e-mailing with the exact freq. What a great crowd this was tonight. Also want to thank Tom and Karl for all the help they gave me. With all this running commentary, the band must have stunk, or I surely would have nailed him.

I know my OHR100 at 2 watts and Isotron-20 (yes, still in the den on a mast) antenna was working as I had a nice QSO with Pat, 8P6AZ, in Barbados just before the HUNT started.

I even tried going up to use the OHR400 (which I bought from Doc) and the Windom dipole, but no luck.

Even on a BAD night, I still had a blast.

Thanks again to ya'all.
Someday Doc....
Aron
N10DL
Bedford, NH

Date: Thu, 10 Aug 2000 23:24:23 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [77101] FOX K0EVZ--Whew :-)
Message-ID: <200008102324_MC2-AF54-8F2B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Well the FOX hunt just ended, and man oh man was it ever noisy. And, not=

so many hunters in the log as the first outing. Looks like the total wil=

l

be 42 including myself. Don't know how much propagation might have been =

a

factor.

Here's hoping I didn't miss anyone tonight. Had the gain controls on the=

K2 turned way up, and even used the Preamp most of the evening. This is =

a

terrific rig and hears very well. It is a pleasure to operate under all

conditions. =

Thanks to Kevin Anderson K9IUA for helping me log tonight. It was a

pleasure to have this FB operator on hand, and his keen ears were most

welcome. Sometime he should be selected to be a FOX, as he has wonderful=

operating skills and enormous patience digging out signals.

Will publish the log as soon as possible tomorrow. Thanks one and all fo=

r

a FB evening. It has been a pleasure to serve as a FOX this summer. =

Thanks to so many who have sent comments and suggestions along the way. =

Now, let's go out and get the rest of 'em. And did you note who the FOX =
is
on Sunday?

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail =3D K0EVZ@arrl.net

Date: Thu, 10 Aug 2000 23:28:45 -0400
From: S LYON <sslyon@worldnet.att.net>
To: chat qrp <qrp-1@Lehigh.EDU>
Subject: [77102] PHASED VERTS: SECRET WEAPON
Message-ID: <399372ED.56B74216@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don't know if it's been brought up, so will keep it short. Observe the
Half-Square, esp. in the work of W4RNL. IHMO, this antenna will shoot
the eyes out of a bottom fed, 2-el. array.

Think about it:

- a.) CURRENT is at the TOP; better lo-angle prop; less loss to surrounds.
- b.) you don't need radials or matching networks; (use bead balun @ feed)
- c.) Spacing can be flexible. 1/2-wave of wire between verts can be
"bent"
- d.) legs can be bent at the bottom if ht. is a problem.

Try it... you'll love it

72

-s-

--

'Seab' Lyon - AA1MY

Beacon NY USA FN-31

QRP-L 574 ARCI 9253

Date: Thu, 10 Aug 2000 21:40:05 -0600

From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu
Subject: [77103] FOX: Skunked in CO :-(
Message-ID: <39932135.1530.1F7B58@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Damn! Ths would be the first time I have EVER not heard Doc! I never even heard a peep, the whole two hours. I'm pretty sure Larry missed him too although I did hear a couple of the other Big Dawgs calling him.

I tried every trick in the book-- three different antennas, turned off all the computers and other assorted electrical equipment in the house, made the kids turn the TV off even, and all I got for my troubles was a headache.

I hope you had a good run, Doc, despite some of the oddest conditions I've heard on 20 for years.

Oh well... Mama said there'd be days like this.

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Fri, 11 Aug 2000 03:52:21 GMT
From: "Michael Herman" <kc9nf@hotmail.com>
To: qrp-1@Lehigh.EDU, tentec@contesting.com
Subject: [77104] zenith to7000 /hamkey sold tn timer
Message-ID: <LAW2-F285c99ir3wSim00006acc@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Zenith to 7000/hamkey d paddle sold tn timer mike N9NF

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Fri, 11 Aug 2000 00:04:18 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-1@Lehigh.EDU>

Subject: [77105] Re: Dremel Cut-off Wheels- Reinforced
Message-ID: <Pine.BSF.4.21.0008102253020.54609-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

First, the Cut-off Wheels which you are seeking are reinforced (fibreglass?) and are of the DU-BRO Product line. I purchase them often at the local Hobby Town store. Cat. No 352 (2) 1-1/4" Dia Cut-Off Wheels at \$ 3.45 per package. Also offered is Cat. No. 353 (1) Cut-Off Wheel and a matching Mandill (A bit heavier than Dremel). Same Price \$ 3.45 per package.

DU-BRO Products, Inc. P.O. Box 815, Wauconda, IL 60084

I believe that I have also seen a heavier duty Version of the regular Dremel Cut-Off Wheel at Home Depot. Now they also sell a version of the Reinforced Cut-Off Wheel. About \$ 10.00 for (6) disks.

I have not yet found the Cut-Off Wheels in the McMasters Carr Catalog, But I am sure that they can get them. I go thru periods when I use a lot of them in the Locksmith Business. For some jobs they can NOT be beaten.

It is a good idea to buy a few packages of the Model 353 (with the Mandrel). If you work them too hard the heat pops the head off of the disk retaining screw. (4-40) I think.

Someone mentioned applying Cyro glue to the Dremel disks to reinforce them. While It may help, nothing is going to make the Standard Disks anywhere close to the Reinforced ones. Trust me, I know from experience.

FYI, I have also Put as many as Three on a Mandrel with a regular Dremel fine Sanding disk in between. You need to go a bit slower than usual and let the wheel do the work. As with ALL Cut-Off Wheels (25,000 RPM), only FOOLS Use TOOLS without EYE PROTECTION. You will Thank me WHEN one hits your SAFETY GLASSES. NOT IF, But WHEN !

I have found that a wooden frame tool rest helps keep the tool steady when cutting PCB. Did I mention that you should also use a Face Mask when messing with the FibreGlass PCB cutting? That dust will kill you.

Someone else here on the list mentioned Cutting Nails with the Reinforced Cut-Off Wheels. They will do just about any job if you take your time and do not try to rush it. Did I mention that you also need to be careful of the Excessive Heat Buildup when cutting Hard Materials? I also have occasions to create special purpose tools at times. Cutting Nails or Files or any hardened steel materials creates lots of heat. Try cutting a Nail or piece of broken file. Watch the tip change color as the wheel eats its way

thru the metal. Cherry Red is hot. Always hold the Nail, File Etc with a pair of needle nose Vise Grips and keep a tin can of cold water handy. Too much heat also kills the tempering of the metal. If you are fixing a screwdriver, you dont want to loose the temper in the tip.

One last Item to recommend. The Dremel with the Variable Speed and the Flexible Shaft is a lot more usefule working with small items.

My son also has a Heavy Duty Model (SEARS) which is similar to the industrial strenght Models. (They accept 1/4" Shaft Tools) for heavy duty tasks. Porting Engines, Etc.

O.K., One more that I almost forgot about. The "ROTO-ZIP" Tool, This is a 1/4" Shaft tool, but comes with an 1/8" adapter and Special Spiral Drill-Saws. These will cut Dry-wall, Ceramic tile and darn near anything else you want to use them on. So far, I have only seen Single Speed models. and they have lots of Torque. Let them get up to speed befor you let them come into contact with the work.

My son gave me one for my Birthday, I let it sit in the box for quite a while as I didn't think I really needed that much power. I have a good Plunge Router. Well, Let me tell you the time came that it was the only thing that would handle the task.

I had a broken ABS Drain from the kitchen sink. It was cracked right at the EL in the basement where the Vent Line connects to the main drain run. Yes, right where it comes out of the sub-floor. First, let me tell you that you can not remove an ABS Elbow. :^) I made a Metal Shield for the pipe out of tin can stock. Then put the Spiral Bit into the ROTO-ZIP and routed out 3/4" inch all way around the pipe. Did I mention that they no longer make ABS (Black Plastic) Pipe? I called my cousin who is a Master Plumber. (Now you know how deep I was into this by now :^)

I am not sure if I can recall the Item name now, Seems like It was a Sayco Coupler? A flexible Rubber Adapter/Coupler with Stainless Steel Hose Clamps to secure it. The help? at local Home Depot didn't have a clue what i was talking about. All I could find was a Straight one. Boo! Hoo! At the third store, I found lots of both kinds. Not bad once you have the hole around the pipe large enough. Maybe ten minutes once all the ground work is done..

I have since made my own adapter plate for the ROTO-ZIP with a nice set of Brass Router Guides. Got the Guides from Harbor Freight for about \$ 20

Porter Cable makes a similar unit which accepts their router guides. I don't think it is as powerful as the ROTO-ZIP.

Oh, Yes, They Now have an adapter for the ROTO-Zip which accepts the 3"

reinforced Cut-OFF/Grinding Wheels. About \$ 60 on top of the \$80 price for the tool.

Still think this stuff ain't useful? One last Quick Story, Our Local Rescue Squad was recently called to the Hospital to "ASSIST in an Operation" I swear, this is True! The surgeon was in the middle of an operation requiring the Amputation of a Leg. I don't know why, but they didn't know that the lady had some "Titanium Rods" Installed in an earlier operation. Naturally the standard Saws are stopped dead in their tracks by that stuff. They used a Pneumatic driven Cut-OFF Saw to do the job. Did I mention that they stopped into the local Home Depot for a Box of cut off wheels on the way to the hospital :^) I later heard that they didn't have time to pay and the Store Donated them. :^)

The lesson learned is there is a tool for every job, but it is not always the same one. (Only have a Hammer?)

He who dies with the most tools, (toys) wins :^)

Happy Grinding. and don't forget those Glasses! (Safety, of Course).

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
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George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Fri, 11 Aug 2000 00:18:15 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@lehigh.EDU>
Subject: [77106] Fox Doc
Message-ID: <3.0.32.20000811001811.00705dbc@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well thought this would be a piece of cake but never heard Doc very well. I called once.

The band was strange with a constant frying noise. I doublechecked the antenna connections here and even cleaned some. The antennas were a 50 foot vertical, a Mag Loop and a random length longwire fed with an SPC transmatch. I was hoping that Doc would switch antennas (maybe even to his double hooter special) and he no doubt did that but still no go. As Sean Connery said in "Zardoz" .."It's all a game"

73 to all Pete NV4V (IC1-SS)

Date: Thu, 10 Aug 2000 23:26:51 -0500
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <mgemm@mtechnologies.com>
Subject: [77107] Skunked in MO too:-(
Message-ID: <LPBBJOMLLEAMGKJIGOGDCELICAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Marshall Emm said:

> @&*! Ths would be the first time I have EVER not heard Doc! I never even
> heard a peep, the whole two hours.

Marshall, you wern't the only one. I never heard a whisper of Doc over here. Usually I gotta turn the gain down and remove the cans for him, but not tonight!

Early on I heard a few CA and AZ hounds, but they wern't strong.

Rats..... Spoiled my record for sure.

Best of luck Doc. See you on the winter hunts.

Dave W0CH

Seneca, Missouri (land of the Mulefox)

Date: Thu, 10 Aug 2000 23:42:51 -0500
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77108] Fox: No Cheese for Doc da Fox
Message-ID: <002301c0034e\$9c4565a0\$c285cfa9@Pjerrys>

Sorry Doc, never even heard a peep from you. And that is soooooooooo unusual. Must be conditions today. I heard a few foxes calling / working you and they were on 14059.7 so I figured you might be down a little but not a peep. And, I like many others, didn't hear very many foxes calling you. Just a weird propagation night all around.

Good Luck Doc, hope you had fun.

72
Jerry N9AW

Date: Fri, 11 Aug 2000 00:53:25 -0400
From: "Nick Yokanovich" <k3ny@toad.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77109] MD crab skunked by ND fox
Message-ID: <015401c00350\$1617cf20\$1bbd21a2@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a strange night! I had been listening around 14.060 off and on since 1800 EDT/2200Z, and heard nice sigs from KU0S, Vern, in Duluth, MN, at 2300Z. At 0000Z there was USB Spanish phone on 14.060. Down a little I could hear W3PO who is just a few miles south of me, running QRP. At 0100Z no hounds, no fox, no nothin. At 0145Z, worked Jerry, K6III, California, running a K2 at 5w. He was S9 in MD, I was S6 out there. Still no fox, no hounds. So I packed up my rig to travel to MN, and will be baying at the fox from there on Sunday.

73, Nick K3NY Arnold, MD FM19

Date: Thu, 10 Aug 2000 22:34:43 -0700
From: Russ Dow <n7dw@garlic.com>
To: wb5rue@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77110] Re: Teaching 5 WPM Code
Message-ID: <39939073.1C7B88EF@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow, Kevin, that brings back the memories.

Are they really just going from A to Z now? Ye gads, I should hope not.

I was taught using Army/Air Force methods in 1957. We started with groups of similar patterns, and I think they still make sense. I remember them as:

EISH5, TM00[zero], AUV4, NDB6, RLFP, WJ123, GZ789, KXCYQ.

The punctuation characters came after we learned the letters and numbers.

OTOH, my wife (Connie, now WA6JCK, one of my old calls) learned the code around 1986. I can't recall if they introduced the characters in similar groups, but I don't think so. However, they were definitely using the Farnsworth concept, and to me it sounded odd. Connie complained that the characters were long gone before she got a chance to recognize them, so I was pessimistic. She must have been picking it up pretty well, though, as she passed the 5 WPM test on the first try and got her Novice ticket.

Any point to this? Not really -- just sharing memories. ;-)

Well, maybe a small point. I have come to believe the Farnsworth method can help the learning process, and it's okay for testing. But let's keep it off the air! I still think it sounds herky-jerky in routine communications.

73,
Russ N7DW

"Kevin Muenzler, WB5RUE" wrote:

>

> Ok Arthur,

> What were the first letters you learned? Was it E or T? I have found that

> learning the sounds and cadence of the E, I, S and H and then T, M, and O in

> that order makes it much easier when learning the other letters. Maybe
> that's the big problem with the "new learning" these days. We're starting
> with A and going to Z. Whatchathink?
>
> Kevin, WB5RUE
>

(snip)

Date: Fri, 11 Aug 2000 01:46:05 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [77111] Re: Vertical Antenna Supports
Message-ID: <Pine.BSF.4.21.0008110004560.54609-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

O.K., I forgot the actual Subject line. But this will work.

There have been a number of interesting comments on supports for the
"Black Widow". Now I remember, that was the Subject.

We even had a history lesson on the SLV and its variants.

I have faxed some of my notes to Jim & Mike of QRP ARCI. Maybe they can
get some into the QRP Quarterly for all to see.

I think I gave them about 5 versions of my Base Design for the "Black
Widow".

No, I am not an antenna expert. I am one of the lesser mortals who have to
copy others works and adapt them to my needs. You might say a practioner
of the re-invent the wheel crowd. While I haven't had time to get on the
air in quite some time now. Several rigs are busted. I may have one of the
Oldest UNBUILT K2's in existance.

My designs are Portable (Luggable) in the sense that you can take them to
Field Day and such, but not something for Back Packing. Unless you are
really strong. :^)

There are really only two basic designs and both of them origionated with
my Copper Pipe J-Pole Base for 2 Meters. Back when I was employed by AT&T
(Before Lucent) I was assigned to FDA/DHHS/PHS in Rockville, MD. Connected
with the NIH Campus. I maintained the Repeater and the PHS/Emergency
Preparedness Ham Station. Every year PHS (Public Health Services) has a

5K Run and the Building Ham Club would provide Support for the race.

In comes the J-Pole. The half way point is about three or four miles down the hill from our building. For some reason it happens to be in an RF "Black Hole" Couldn't hit the repeater unless you ran power. :^) Being a QRP'er, Of Course I thought of a better antenna setup. Lets just say that the Copper Pipe J-Pole kicks butt on two meters.

What I came up with was an 18" Square 1/2" Plywood base with a Pipe Flange (1/2") mounted in the center with lag screws. This has a 12" X 1/2" galvanized Iron Pipe (Called a Nipple in the trade). screwed into the pipe flange. The Bottom of the 1/2" Copper Pipe J-Pole has an adapter soldered on the bottom which like a NUT screws right onto the top threaded section of Pipe. Yes, You could use any length you desire. 12" was handy at the time. My version of the J-Pole Has a special made connector for the BNC Connector which is used to connect the "Factory Made" MIL Spec. 30 ft HQ Coax (RG-59 Type) to the antenna and the HT. That was (C) 1986 and is still ready for service at a moments notice. It was the "Official Maryland Milliwatt QRP Club" Emergency 2 MTR antenna and "Flag Totem" It has been to every MDMW Operating Event and Meeting. The "Flag" is actually a 'Wind Sock' American Flag. Don't forget the Flag. Even a Small One Qualifies some of these following ideas as a "FLAG POLE" which is often "Allowed in a Covenant Restricted Area." Or so a friend told me who used to have to Park a vehicle with a bumper mount in the driveway in order to operate. Yes, a Small 6" US Flag on the top. Only Guy I know with a "Quick Disconnect" on an electrical box next to the Outdoor AC Outlet on the Patio. Hey, sometimes you just have to do what you have to do..

There is no such a thing as a place from which you can not play radio.

I didn't say you would have the best or even a good antenna, Just that you can make something work if you try hard enough.

O.K. so now we have the Basic Model and a long story to go with it.

What we do next is adapt (there is that word again) to hold the "Black Widow" I like a bit larger base for this one. Since we are going up a smidge over 20 feet. First i cut a piece of 1" PVC pipe to slip over the 1/2 inch Iron Pipe. (Can also use 3/4" Iron pipe and matchinf floor flange). I would make the 1" PVC at least 6" long to as much as a foot long. Then you need a piece of 1-1/2" PVC about 24" long to slip over the first two pipes. (Yes, It would be wonderful if the Plumbing World would make Telescoping PVC Pipe). Actually some sizez work closely. In order to make this convenient, you need to fasten all of the Outer sleeves together into a unit. Several methode will work, Drill a couple of holes thru both PVC sections and Run in a self tapping screw. or tap it and use a machine screw if you like. It can also be Glued with PVC Cement or Silicon Caulk. With the portable one it is not a big problem with water retention.

If it is going to be a semi-permanent version. I would add a couple of soda straws or plastic tubing in between the PVC Sleeves, then fill the gap with Silicon caulk. I also like to put a rubber ball inside that sits on top of the iron pipe and provides a base insulator/shock absorber for the "Black Widow". One chap on the list mentioned using a Hair Dryer to Unglue the Bottom Cap of the "Black Widow" I will definitely have to try that the next time. I just cut it off. That was tough glue. I almost forgot, I drill holes in four corners of the plywood base about three inches from each edge. These are for Gutter Spike Anchors when the base is placed over dirt ground. If used on a parking lot, you can park a vehicle with a tire on the plywood. (Now you see why the bigger board). You can also place 4 bags of sand/gravel on the board to weigh it down. I can't reveal the other Ballast yet or you will know the next version right away.

The Last Major Version, is I believe the best of all. It builds on what has gone before. The PVC Pipe sleeve over the Iron Pipe and Floor Flange really are the heart of my "Base System". Maybe I should apply for a Patent :^) First you locate a nice clean heavy duty 5 Gallon Plastic Bucket with a lid. (Paint Bucket, Driveway Sealer, Etc.) It must be FREE and Re-Cycle able. No Antenna Works well with all new parts. :^) It is like making sourdough bread, you have to have some of the old to make the new :^)

Make an X-Frame (Xmas Tree Base) make saw cuts so that both pieces sit flat on the floor and mount the Floor flange to the 2X4 or 2x6 x frame with lag screws or nuts and bolts. I like Nuts and bolts with the bottom countersunk and the nuts on the top. the same mounting bolts can secure the xframe pieces together. you may want to run a few dry wall screws up thru the bottom of the bucket to secure the base. DON'T DO IT YET. I said Might, that is going to depend on your "Ballast" The sleeves and rubber ball portions are the same for this model. The length of the PVC Sleeves may differ. All 5 Gallon Buckets are not created equally. Another long story. (How many U.S. 1 Cent coins will fit in a 5 gallon bucket and how much will it weigh?) For those who need a life :^) (Yes, I did the test). (Money was involved :^)

Did I mention you have to cut the Base on a curve to fit the Round two it Bucket. You will need to cut a round hole in the top lid to slip the cover down on the bucket. If this is for the back yard as a semi-permanent part of your Antenna Test Range (Farm) You can fill the bucket with gravel or wet sand. You can also Install a BNC connector on the bucket for connecting the coax to the antenna. You could use Thru hole BNC studs and a short BNC Mil Spec Coax TEST Coax. SMA and Hardline anyone ? That is for Mike C. :^) If you prefer Ladder Line, You Might want a few 5-WAY Binding posts mounted on the bucket. You can Cut out a big PCB Disk and fasten it to the top cover. Now there is a great spot for a nice circular sheet of COPPER. Tap it and Put on Lots of Ground Connectors. (Radials) Don't

forget the obvious, An ATU and Balun will fit inside easily. I had one version on the drawing board which would have had it all in the bucket.

It was to have A Gell Cell Power Pack with Charger, and A connection for the Solar Panel. It would have an LDG Auto ATU, A spool of Antenna Wire on a reel. Remember those Military Antennas on a fishing reel spool? I got one at Dayton one year and the Idea to go with it. This would thread up thru the "Black Widow" Pole. The Gas Balloon would Extend it Verticle element upward for a 160 Mtr Verticle? Actually this was a variant on the QRPp Beacon for 80/40 for MDMW Club (WQ3RP). It would use off the shelf QRP Kits for everything. It was to have a Norcal Rig with a Tick Keyer and the EPS Power unit. 2 Dry Cells and the What-u-may-call-it? You know that Power Converter that Gary (Tick Boys Again) made. I think they just announced that it is back in production. They found a reel of the Electrolytics that it needs. Part of that was to see how long the Beacon would run off of two D cells. Yep it makes 12 V out of almost nothing. Not a prepetual motion machine but a kin. :^) How many rigs you know of that can run off a couple of flashlight batteries. I wonder if it would power the K2 ? We are not talking big time, we are Tsalking Emergency Preparedness. Maybe we should have a FD type Contest where you must use only DRY CELLS? Divide your Score by the number of Cells Used. :^)

O.K. Put some Plumbing Fixtures on the bucket and Fill it with Water Or Other handy Beverages :^) Latest version of BCV (Beer Can Vertical)?

This is where you can add the liquid to the bucket when you get there if you want to save weight. OTOH you could insulate the Bucket and add Ice. :^)

Good Knight and Have fun with your new antenna Far

Last thought Build One Bucket Base for the Feed and a couple of Dummys for Reflectors or end supports. If you have big bucks, you could buy 4 DK9's and have a decent Wire Antenna Test Range.

How Far can you string a # 26 Magnet Wire Long Wire?

Beverages Anyone :^)

Good Knight_Lites

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

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Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Fri, 11 Aug 2000 00:43:31 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: plburbank@kih.net, qrp-l@lehigh.edu
Subject: [77112] Re: Fox Doc
Message-ID: <39934C33.29749.C76FDD@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>>As Sean Connery said in "Zardoz" .."It's all a game"<<

Me, I would have settled for "one ping only."

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Fri, 11 Aug 2000 06:06:15 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [77113] FOX: No SWEEP for them Swamp Rats
Message-ID: <3993D017.55FA0527@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Darn! I spoke too soon. Thought we Swamp Rats got
a SWEEP in Hunt 11, FOX - Doc - included.
Looks like Pete - NV4V - did not pelt.
Sorry, Pete.

I never heard Doc being as weak
as during the hunt. And I was hearing him better

than he was hearing me. Doc was strongest around 0245 Z when he switched antennas. I NEED to know which antenna that was!? Heard several AZ hounds pelt during the first half hour ... CA also. Hounds were few and VERY far between during the last half hour. Band conditions on 20 in hunt 11 were STINKO!

Now going SCUBA diving in the Keys, but will be back in time for hunt 12.

Tom, N1TP,
Naples, FL
QRP-L 1317

P.S. Still wonder how them dawgs did. I don't believe they made "4 for 5."

Date: Fri, 11 Aug 2000 06:13:44 -0400
From: Jerry Albertin <kg2jff@juno.com>
To: qrp-l@lehigh.edu
Subject: [77114] Items FS; Going QRP QRT
Message-ID: <20000811.061557.-87917.0.kg2jff@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I've decided to shut down my qrp station and have the following items for sale. All are in excellent condition.

BLT tuner built and working \$29

P-tick keyer paddle kit built and working \$12

P-tick keyer kit, unbuilt \$10

2 MFJ 726 narrow audio filter for the 90xx series transceivers \$20 each

MFJ 412 curtis keyer for the 90xx series transceivers \$30

MFJ 971 Portable tuner \$65

MFJ 564B (black base) iambic paddles \$40

Autek RF-1 Antenna Analyzer (purchased about 6 weeks ago and used once)
\$100

Prices include shipping but no insurance (if requested it will be extra)

The antenna analyzer showed the poor condition of my coaxes and it is just too much of a chore to replace them, therefore I'm going QRT.

Interested parties please email me direct

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 11 Aug 2000 06:34:27 -0400

From: tom palmer <n1tp@worldnet.att.net>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [77115] FOX: POOR Band conditions during Hunt 11

Message-ID: <3993D6B2.1DD41EBE@worldnet.att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi, Gang:

The best indication how poor band conditions were on 20 in Hunt 11 is that W0CH, Dave, in Missouri, snapped his long running hitting streak. Dave must feel like Joe Dimaggio!? Dave bagged 40 of 40 pelts in last Winter's 40 meter hunts. His perfect score tied him with N0EA, Wayne, also of Missouri.

Doc, K0EVZ, bagged 39 of 40 pelts this past Winter hunting season only 'cause Doc was a FOX in one hunt and, therefore, didn't get a point for that hunt.*

During the last half hour last evening Doc was calling and calling like mad, but had very few Hounds come back. So much efforts for such meager results ... disappointing. Thanks, Doc!! I heard you working very hard to give out as many pelts as possible.

Only former FOXes can really appreciate how hard the FOXes try work to give out as many pelts as possible in 2 hours. It's much more pressure than a Sprint and Field Day operation does not even come close.

Self imposed pressure to be sure, but nevertheless real.

Cheers,

Tom, N1TP
Naples, FL
QRP-L 1317

* Something has to be done to correct this inequity.

Date: Fri, 11 Aug 2000 07:25:22 -0400
From: Arthur Laurent <ALaurent@npr.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Cc: "'aa4lr@radio.org'" <aa4lr@radio.org>
Subject: [77116] RE: Teaching 5 WPM Code
Message-ID: <64ACCD0E0722D411AB6000400B40CE213D11DC@npr-01-msg.npr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Bill Coleman wrote,

<...Samuel Morse invented his code to be copied by eye from a paper tape strip. It was only after operators were discovered to copy by listening to the sound of the transcriber that copying by ear came into vogue.

Interesting! Have you checked out the Smithsonian Web page with Morse's "What Hath God Wrought" strip?

Was Morse's code intended to be sent mechanically (by machine) as well?
And at what speed?

Art

Date: Fri, 11 Aug 2000 06:17:52 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [77117] OT Airplane
Message-ID: <Pine.LNX.4.10.10008110614570.781-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The most amazing thing I have ever seen. A 747 being hit by lightning on takeoff! see it at:

<http://lightning.pwr.eng.osaka-u.ac.jp/lrg/temp/plane.html>

The plane just kept taking off and the pilot said he just had to re-set a few instruments. Amazing.

Think of what would happen to your K-2 if you were ever hit.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 11 Aug 2000 08:36:40 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [77118] FOX - dodging the storms
Message-ID: <20000811.073343.4655.1.N5IB@juno.com>

At 0000 Z a line of severe thunderstorms with severe lightning moved through the Baton Rouge area. By 0010 the power was out, not to return 'till 0400 Z. But batteries galore were on hand for radios, if not for fans...

At 0100 there was still too much lightning to connect antennas, and the winds and rain had bent some small branches down onto my horizontal loop. By 0115 the lightning had abated, though it was still raining, and the loop didn't appear usable, for all the wet pine branches. So I loaded up the 10 meter groundplane (20 ft up) and gave a listen.

At first Doc was "average strong" for him, didn't need the pre-amp in the K2. It took three or four calls, but finally worked him at 0120 or so. The mojo even works with the wrong antenna!!

Doc got increasingly stronger here. Later, when a QRO station moved about 100 Hz away, Doc was still copyable with only minor difficulty, using a 200 Hz filter setting. After his QSY he continued to get stronger until the end of the run.

All-in-all, an exciting hunt here in the Deep South.

But Chuck is gonna be a challenge, I'm sure.

72
Jim N5IB

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 11 Aug 2000 06:21:50 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [77119] re: USI contest
Message-ID: <20000811132150.9589.qmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

If the WX is ok here, I will be on Slate Gap island
saturday from around 1600z to late afternoon.

Slate Gap is a small uninhabited island on Beaver
lake, near Fayetteville, Ar.

Look for me on CW only 14.060/21.060, and maybe
7.040mHz.

Jim KJ5TF

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?
Kick off your party with Yahoo! Invites.
<http://invites.yahoo.com/>

Date: Fri, 11 Aug 2000 07:30:43 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [77120] August 26 & 27 DCHF/NM Hamfest
Message-ID: <20000811.073048.-613151.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

In case anyone is in the area {Rio Rancho, NM} at this time.

<http://www.qsl.net/~dchf/index.html>

72...Jay, WA5WHN DM65pp Ponderosa, NM USA

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 11 Aug 2000 09:33:49 -0400

From: John Wagner <john@neknetwork.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [77121] FOX- No go in VT

Message-ID: <399400BD.17918558@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well gang, I was getting a little chippy - two foxes in a row (sort of), AND I worked Nick the SMiTe fox on his pixie while he was running a whopping 330Mw on 80m - how hard could a ND fox be?

No go up here at the top of VT. I heard Doc briefly in the beginning, or maybe my subconscious heard him briefly because now I'm not entirely sure it was him - way down in the mustard for sure. Heard a few hounds in the beginning, but fewer as the evening wore on. I tuned and listened the entire two hours, hearing a stray hound here and there. Had a few QSO's to break up the monotony as well. I was hoping that at any moment the propagation gods would smile on me for a brief moment, enough for a quick hound/fox exchange, but it just wasn't meant to be.

Still had a blast - best two hours on the radio! Oh well, see y'all in the field on Sunday!

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Personal Web page: <http://www.together.net/~jwag>

Date: Fri, 11 Aug 2000 09:39:55 -0400
From: ekwik@rtimail.com
To: qrp-1@Lehigh.EDU
Subject: [77122] Use of a Tuner - Results
Message-ID: <OF30A2BD51.50B58CDE-ON85256938.0046922C@rtimail.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Thanks to all that replied to my question on the use of my tuner. Last winter I made a Maxon rectangle for 15 meters. I used 450 ohm ladder line for the elements. It was just an experiment and it was something to do last winter. I made a bunch of calculations to scale it to 21.06 MHz and compensate for the 450 ohm line velocity factor. I have used it off and on the last couple of months. It works OK. I have it strung up on the roof so it is in a fixed position pointed a little North of East. Can work Europe and the Mediterranean no sweat. But it also works into California very well. Too well. It is supposed to have a real good F/B ratio. So I want to progress the experiment to the next step and revise the design or try some thing different. I am thinking about an aluminum tube version of the Maxon and if it works OK then get a rotor for it. I am also playing with the idea of a single band quad for 15 meters. Anyhow. I wanted to measure the SWR on the thing I got and find out where the minimum SWR is and compare it to the calculations I made way back when. I do not have a SWR meter. So I tried to figure out how I could use the 971 to do it. As I had replied to several on the list, I had opened up the 971 and jumpered across the C-L-C network. However when I turned the capacitors the meter readings would change. The experts say this is not good enough and I need to actually disconnect the C-L-C network or mod the tuner with a true bypass capability. I do not want to do that and will go and get a stand alone SWR meter or maybe one of available antenna analyzers. Thanks for all of the help.

Ed AB8DF

Date: Fri, 11 Aug 2000 09:47:39 EDT
From: AD6JY@aol.com
To: qrp-1@lehigh.edu
Subject: [77123] Jumping P-TICKS
Message-ID: <73.5e12f21.26c55dfb@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I built one of the P-TICK paddle/keyers. I was a lot of fun to build and it actually works!. Sending CW with it is a bit rough because it is pretty light and it is difficult to keep the thing in one place and use the small paddles. I was hoping to get it out in the field along with the collection of little kits and home brew qrp accessories I'm gradually collecting (a BLT with a field friendly doublet, and a PIG).

Any suggestions on how to restrain the paddles and still keep them portable?

Dan
AD6JY

Date: Fri, 11 Aug 2000 15:03:31 -0700
From: "Merryprankster@cwcom.net" <merryprankster@cwcom.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [77124] help please with TRIO 538
Message-ID: <00d901c003df\$fd65ee40\$55d12cc3@houseqrx7neuap>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Group here's a post not QRP and its a bigie.
Apologies but I am getting desperate!

I have got a Trio TS 530SP I swapped it for my 2 UHF / VHF band handheld when I got the H.F. licence. I got the rig and was told that the Valves / Tubes just needed neutralising. I plugged in the set and the tubes glowed really bright and things where not right. I sent the set to be fixed.

I was told there was problems with four resistors and a diode or 2 on the rectifier board. I also bought new valves / tubes. Well all has been well for about 3 weeks until 2 days ago when a bucket sized plume of smoke came out the back of the set whilst I was in LSB QSO on 40 meters.

I pulled the plug and let it cool down.

Then gingerly put it back in to see if receive was OK, it was so. I put the heaters on and no nasty things happened, but the power had dropped down to 10 watts max (Nice 4 QRP). I took of the case and started to delve into the finals where the

smell was . On opening the box I noticed the 150uf ceramic choke? The white one in-between the valves was burned out, all the enamel had dripped / dropped to the bottom of the coil in a sticky mess. The capacitor a .001pf HV ceramic had cracked open and a couple of joining wires where heat

damaged. Well I have rewound onto the choke the same amount of turns I took of and replaced the cap and the set is working ... After a fashion? The tube furthest away from the fan is glowing much brighter than the front one. The power is about 80 watts full on, when before it was around 120'ish. I was using around 1/2 power in QSO. Has any one got some suggestions where to look next? I think this 1 tube brighter than the other thing might be a clue? Some where in the rectifier maybe, but am not sure where to look on the board. It might just be because its further from the fan? But the power has dropped. Should I try to re-neutralise the tubes, now there has been some changes. I "think" the choke I rewound, is in the grid bias line. Any help is very welcome..

>From Bob M5BOB N/West UK

Date: Fri, 11 Aug 2000 10:18:23 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [77125] Re: OT Airplane
Message-ID: <39940B2F.4362@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

I don't remember the actual statistics but airliners are hit by lightning quite a bit. So are some military aircraft, I think. The aircraft is isolated from ground except when on the ground so there is usually little if any problem about the crew. The electronics are more vulnerable but the modern stuff, built since about 1970, should survive pretty well.

73

Date: Fri, 11 Aug 2000 07:17:29 -0700
From: Bill Walker <windal@azstarnet.com>
To: qrp-1@Lehigh.EDU
Subject: [77126] Toroid colors
Message-ID: <00081107203000.05844@deneb>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Hello all,

Could someone tell me if the color of a toroid has a standard meaning, or does this vary from company to company?

--

Bill Walker - KD7JZB
windal@azstarnet.com
<http://www.azstarnet.com/~windal/>

Date: Fri, 11 Aug 2000 10:37:33 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77127] Re: OT Airplane
Message-ID: <00ca01c003a1\$b2db2c20\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There currently is an ongoing controversy over the fact that some new planes are NOT metal chassis/coccoons. I think a Leeds/Northrup has a composite wing, and they are concerned with lightning issues...

I guess one of the problems is that it hasn't been hit. Maybe because of
it's construction it's not as likely to get hit. But eventually what will happen
when it does?

Mike

> Karl,
>
> I don't remember the actual statistics but airliners are hit by
> lightning quite a bit. So are some military aircraft, I think. The
> aircraft is isolated from ground except when on the ground so there is
> usually little if any problem about the crew. The electronics are
more
> vunerable but the modern stuff, built since about 1970, should survive
> pretty well.
>
> 73
>

Date: Fri, 11 Aug 2000 09:27:11 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'windal@azstarnet.com'" <windal@azstarnet.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77128] RE: Toroid colors
Message-ID:
<4734702CFA3CD411A74A00805F57A3B703E3F424@dfwex01.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Sorry, Bill, but from all that I've read and investigated, toroid color bears absolutely no "standard" specification from manufacturer-to-manufacturer. However, *within* a manufacturers usual product line, colors do indicate a "standard specification" for permeability, etc.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Bill Walker [SMTP:windal@azstarnet.com]
Sent: Friday, August 11, 2000 9:17 AM
To: Low Power Amateur Radio Discussion
Subject: Toroid colors

Hello all,

Could someone tell me if the color of a toroid has a standard meaning, or does this vary from company to company?

--
Bill Walker - KD7JZB
windal@azstarnet.com
<http://www.azstarnet.com/~windal/>

Date: Fri, 11 Aug 2000 10:43:57 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77129] Re: OT Airplane 2 on topic lightning
Message-ID: <00d201c003a2\$9790ac00\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hmm, and this is not as off topic as it sounds at first.

With an airplane (ok, airframe) the protection is that it is a protective shell. It handles the strike since it can handle the strike, right?

How does this relate to HAM radio?

Well, one of the primary goals of protecting an antenna setup is to prevent the strike in the first place. Then secondary is to prevent damage from the strike if it does happen.

To the first.... Grounding. Grounding. Grounding! Make sure and any all static can ground off as quick as possible. Then if it DOES hit, what can you have done to limit damage?

Well, one of the tricks I've been told is similar to an airplane. Keep everything 'inside'. For example, keep any and all cables, wires, coax run, etc, INSIDE a tower. Never run anything down the 'outside'.

So, let's turn this more on topic, how do YOU protect YOUR setup?

I don't have a tower, so I just don't ever leave anything connected when I'm not there, at least, for HF. For 2M I do have a dual-band antenna on the 'vent-pipe' which is cast iron and grounded to an old Kenwood 7850 and (knock wood) has survived so far...

Mike

Date: Fri, 11 Aug 2000 10:33:57 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: "'Richard E. Robinson'" <rerobins@email.uncc.edu>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [77130] RE: Phased verticals
Message-ID: <001701c003a1\$2f59b4c0\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My pleasure Rick. Sorry. I should've indicated who the fax was for! I hope I didn't cause you too much embarrassment.

BTW: the *calculated* value at 3.8 MHz for C is 419 pF, but I'm finding this network quite broadbanded with the fixed doorknob caps I had on hand. In fact, unlike the LC phase shifter I had used earlier, I actually see substantial F/B across the 80-meter band (!), while in the past the effect was only present at the resonant frequency of my antennas (cut for 3.795 MHz). I do, however, expect to tinker with variable caps on the input and output sides as soon as I locate a suitable HV pair.

If you want to duplicate the circuit, wind the coil, then measure the interwinding capacitance, and subtract that value from the calculated value for each C. My C meter shows 18 pF interwinding capacitance. I would therefore seek 401 pF (419 minus 18) for the actual lumped-constant cap. That's why I'll try variable caps in the next version.

ON4UN himself indicates that you can adjust L by moving turns (spreading/compressing), but I think the circuit isn't that critical. The stray inductance alone makes such fiddling moot.

By the way, the values for the hybrid coupler are calculated for 50-ohm system Z. For the caps, X_{c1} equals $X_{c2} = 2 \times 50 = 100$ ohms. $L1 = L2 = Xl / 2 \times \pi \times f$, where f is in MHz.

I measure Xl (and a VERY low value of series resistance R) on my General Radio 1606A impedance bridge, and then "back into" calculating L. It should theoretically be 2.09 uHy, but that's tough to measure so closely--even with the precision impedance bridge. Getting to 2 uHy is close enough! I don't have a G-R detector for the bridge, but use a Sony ICF-7600 receiver instead. It seems extremely sensitive, and I get a deep null when the bridge is balanced.

The prototype I built first required 13 bifilar turns on a small -2 toroidal core to see 2 uHy. The big core "monster" in use now has ten turns to get the same value of L. The prototype used #20 gauge wire; the biggie uses glass-insulated stranded #12 gauge. The core is wrapped with GE glass tape that I bought from Palomar or Amidon (don't remember which).

Putting this thing on a dual-trace scope with 47-ohm carbon terminating resistors is a lot of fun. I see exactly 90-degree phase shift on my 465B scope. Of course, when connected to antennas that exhibit mutual inductance, I don't expect the picture to be so precise. Ahem!

BTW: I am also using 1/4-wave feeders to each antenna element from my network/relay-box. As per W7EL's suggestion, that "forces" equal signals to the antennas. At least that's the way I interpret what he suggests. He says that the magnitude of the input current is equal to the output voltage

divided by the characteristic impedance of the coax, regardless of the load impedance. So, even if the load impedance is somewhat different at each element, which it likely is, the hybrid will deliver the same input current to both feeders if the voltages at the feedpoints are the same. Calculations for this are given in ON4UN's book, where he shows nearly equal--but considerably phase shifted--voltages.

Well, in practice, with my approximate quarter-wave element spacing, it works, but the jury is still out here as to whether it's an improvement over my old variable LC network.

Now I routinely see 18 dB F/B on many distant stations, but occasionally I think I see more on some stations. I will have to evaluate that over a long period of time; these antennas require a fair amount of patience in their evaluation because not all signals arrive at low angles every evening. High-angle close-in signals don't show F/B at all.

Theory-wise, you should be able to get an astounding 30 dB-plus F/B, which is more than a lot of guys see with 4-square arrays. I'd be very happy to get 6 dB more than the 18 dB I mentioned. We'll see.

Also, the other night I was copying stations on the vertical array that were difficult to copy on the doublet. The doublet, by the way, always exhibits more "gain" than the vertical array. The other night there was a thunderstorm to the west. I couldn't copy the EU stations very well over the static crashes, but on the vertical array the crashes were way down on the back of the pattern, and the EU stations were crystal clear--even though the pattern is more to the Med than northern EU. Also, my doublet runs E-W, so I always get better performance than the doublet to the west using the phased verticals.

My next task will be to put a detector across the non-inductive resistor to see how much power is lost there, if any. Ideally, there should be none if the whole affair works as planned. So far, even running a kW out, I don't feel any warming in my 50-W N.I. resistor. On the bench, I can hardly measure any voltage developed across the resistor, even on the most sensitive input setting of the o'scope. Of course, I'm measuring across a low resistance, but I don't think much current is flowing through that resistor--which is FB wid me.

So, don't worry about insignificant loss in the resistor. I don't see any degradation on-the-air on received signals, compared to the "lossless" LC shifter I previously used.

Finally, I hope to put a pair of toroidal current transformers at the feedpoint of each antenna element and run equal lengths of coax to the shack so I can see the current phases relationships between the two elements.

GL and have a great weekend! Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L
687 .-.-.

-----Original Message-----

From: Richard E. Robinson [mailto:rerobins@email.uncc.edu]
Sent: Friday, August 11, 2000 9:13 AM
To: ai2q@ispchannel.com
Subject: RE: Phased verticals

Hi Alex,

Thank you for sending me the phase-shift network schematic. The department secretary was wondering what it was but figured it must be for me. I'm the only electronics person in a department of psychologists.

I'll keep you posted on my antenna progress, I appreciate the help.

73,

Rick kf4ar

Date: Fri, 11 Aug 2000 07:46:45 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-l@lehigh.edu, eleccraft@qth.net
Subject: [77131] BUBBA
Message-ID: <200008111441.HAA21190@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Please keep checking the BUBBA rules
<http://www.extremezone.com/~nk7m/bubba00.htm> for updates.....we have
brought the scoring in line with past years.
Contacts with NQ7RP are worth 10,000 points per band.

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Fri, 11 Aug 2000 10:50:09 EDT
From: NB6M@aol.com
To: qrp-1@lehigh.edu
Subject: [77132] Vacation
Message-ID: <76.2035be0.26c56ca1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi All,

I will be off-line for about a month, going on vacation to do some sailing on Lake Michigan and visit family in the midwest.

Will be taking at least a 40 Meter QRP rig with me, and hope to get on the air from various places.

Best 72

Wayne NB6M

Date: Fri, 11 Aug 2000 08:30:54 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77133] Re: WARNING re License Renewals and ULS (vs CORES)
Message-ID: <Pine.GS0.4.10.10008110822120.3073-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I don't think the \$6 that is charged for someone else to do the filing is all that bad!

I spent the better part of two days fooling with that silly FCC system and gave up in disgust!

I just now used the CORES url:

(<https://haifoss.fcc.gov:8040/cores/CoresHome.html>)

and wasted 5 minutes waiting for it to load. Again I gave up in disgust!

I'll gladly pay someone else \$6 and spend my time doing other things.....like playing with radios! :-)

OK, back in my hole....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Fri, 11 Aug 2000 10:55:19 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [77134] NEQRP net a bust
Message-ID: <200008111532.LAA02264@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

My first attempt at being net control ended as a total bust. The QRN was very strong last night (remnants of the GMS?) If anyone tried to check in, I simply could not hear them.

To make matters worse, some time durring the net intro, a QSO started up under me on 7.041. Once I figured that out, I moved up to 7.0415 and started again, but this time a strong SSB station started up on or near the freq. I belive someone tried to check in, but between the QRM and QRN, simply could not make out the call. Sri.

Oh well.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Fri, 11 Aug 2000 11:35:20 EDT
From: Shepherd@aol.com

To: ku7y@dri.edu, qrp-l@lehigh.edu
Subject: [77135] Re: WARNING re License Renewals and ULS (vs CORES)
Message-ID: <10.d6bb1d.26c57738@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

W5YI is the anti-christ of Ham Radio.

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-l #1404, FISTS #4985, Zombie #667 SOC #284
<http://members.aol.com/shephed/n8ie.htm>

Date: Thu, 10 Aug 2000 12:11:47 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>, Kent Torell
<Kent_Torell-P12255@email.mot.com>, Bob Hightower <nk7m@extremezone.com>,
Roger Hightower <n7kt@worldnet.att.net>
Subject: [77136] Contest: BUBBA Results 1999
Message-ID: <3992FE73.4F519826@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

There has been some discussion concerning last year's results of the BUBBA contest sponsored by the AZ ScQRPions. Here, again, are the final results as posted on the QRP-L last year. There were a total of 28 logs submitted. We extended the time in which logs were to be submitted. Again, these are the final results of the logs that were received by either E-MAIL or by snail mail.

In descending order of claimed score:

Call	Claimed Score
----	-----
N4BP	1,218,440
AA5B	626,032
K5ZTY	420,000
NQ9RP	319,056
N5MX	219,280
W5VBO	202,150
W4ED	179,600
WA8GHZ	176,940

K4BAI 174,430
AB5UA 118,576
NQ7RP 107,520
W7TAO 103,360
K8CV 72,238
W1VT 60,176
AD6GI 49,680
K1QM 48,708
WB5QYT 42,966
AE4IC 42,368
AK7Y 41,860
KB9LGJ 35,568
WA8RXI 34,336
N0IBT 19,656
W3BBO 19,656
KB9LCK 18,720
KQ4OI 14,400
WA7LNU 12,320
K0ZK 7,800
KB6FPW 2,720

Brian Kassel K7RE
AZ ScQRPions

Date: Fri, 11 Aug 2000 11:52:26 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [77137] Re: WARNING re License Renewals and ULS (vs CORES)
Message-ID: <009001c003ac\$285f8220\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> W5YI is the anti-christ of Ham Radio.
>

Dan,

I thought that was Wayne Green! (Grin)

Dave

Date: Fri, 11 Aug 2000 11:50:23 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "_AAAA_NOGA_onlist (E-mail)" <nogaqrp@qth.net>, "Qrpl_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Cc: "_Mike W3IRZ Branca (E-mail)" <w3irz@att.net>
Subject: [77138] KIT: Beta NOGAwatt SWR meter finished
Message-ID: <058CBAE0931FD411B70E00805FCD5D42291913@MAILSERVER2>
MIME-Version: 1.0
Content-Type: text/plain

I received one of Mike W3IRZ's Beta NOGAwatt kits at the beginning of the project and like most things stacked it on the TO DO pile.

The BETA kit had all the parts but only the template of the PCB etch layout. The PCB has been produced now by FAR Circuits and is included in the kits. Otherwise the Beta unit complete kit. I had talked to Mike about trying to make it as small as possible for field use and we both thought that it would fit in one Altoids Box. Mike had decided he wanted to build one directly in an Altoids using the metal can itself as the ground plane and using ugly construction techniques to keep the parts away from the metal where necessary. We have had several BETA builders putting the components in two Altoids boxes (back to back, meters in one box and circuit board in the other box) and some in slightly slarder boxes. All function well and calibration is very straight forward.

I liked the idea of one box but was unsure about soldering and "adjusting" things once inside the box so I elected to build the circuit up in an ugly manner but on a piece of PCB board that would fit into the bottom of the Altoids box when finally checked out. So I cut a piece of PCB to fit and laid out the circuit in pencil on the board and Dremeled the few isolated pads needed. I also installed the dummy load resistors right on the board so I could add a small SPST switch in the dummy load and use the unit as a power meter when testing stuff on the bench.

Sorry my hand held cammera pictures are a little blurry but you get the idea.

The bare HB ugly construction board and assembled parts are at:
<http://ae4gx.home.mindspring.com/uglywatt.jpg>

The two coax connectors are holding the front toroid assembly and the two pairs of 100 ohm resistors are holding the back toroid assembly. Small isolated pads are created where necessary. The two meters have the movement enclosures that stick out and come down to about half way into the box so you need to offset the circuit slightly to allow the meters to miss the circuit parts.

The unit assembled in the box are at:
<http://ae4gx.home.mindspring.com/nogawatt.jpg>

The Meters for this unit have the original meter scales and I haven't yet put on the neat NOGA calibrated scale faces that Picket AD4S designed. You can see the small slide switch top coming out from the side of the box. That cuts the dummy load into the out bound coax point.

So if you decide to make the unit (I think it's a great piece of QRP gear) you have choices on the construction method, the enclosures and options. That's the way QRP projects should be.

I currently have my unit set for full scale at 1 watt to use with my GA Sierra. But you can calibrate it easily for other QRP power values too.

I also have a production NOGAwatt kit and plan to build it in a slightly bigger tin box and incorporate a two range scale switch (2W and 6W) and a resistor bridge to help protect my field rigs when tuning up untried antenna configurations.

Thanks Mike for putting together a neat and very useful accessory that everyone should have. I sure hope someone can pick up the ball and get the club kit deployed on a wider basis.

BTW for more info on the NOGAwatt email Mike Branca W3IRZ at w3irz@att.net

Hopefully in the near future the NOGA web page will have more info.

Sam AE4GX NOGA member Atlanta, GA

Date: Fri, 11 Aug 2000 11:00:32 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'Shephed@aol.com'" <Shephed@aol.com>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [77139] RE: WARNING re License Renewals and ULS (vs CORES)
Message-ID:
<4734702CFA3CD411A74A00805F57A3B703E3F42A@dfwex01.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Ain't that the truth!?

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Shephed@aol.com [SMTP:Shephed@aol.com]
Sent: Friday, August 11, 2000 10:35 AM
To: Low Power Amateur Radio Discussion
Subject: Re: WARNING re License Renewals and ULS (vs CORES)

W5YI is the anti-christ of Ham Radio.

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-L #1404, FISTS #4985, Zombie #667 SOC #284
<http://members.aol.com/shephed/n8ie.htm>

Date: Fri, 11 Aug 2000 11:16:11 -0500
From: "Manager QRP-L" <manager@astro.cc.lehigh.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77140] Re: WARNING re License Renewals and ULS (vs CORES)
Message-ID: <00bd01c003af\$88e764c0\$0200000a@mcg.net>

Discussions of FCC policy are best had on a more appropriate list. It's good to be alerted to possible trouble, but this thread seems to be degrading into name calling. Please do not post to this thread and take it elsewhere.

Thanks and 73 de Cla KA0GKC Manager QRP-L

Date: Fri, 11 Aug 2000 11:30:07 -0500
From: "Randall" <Firefox@Southwind.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [77141] Wnated: LED SWR Indicator Circuit
Message-ID: <009201c003b1\$6b135e20\$6a5986d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Would any of you know if there is a circuit to add a LED SWR indicator to a

tuner, as per ZM2 or BLT ?
I would like top try to add one if possible.

thanks

Date: Fri, 11 Aug 2000 12:32:15 EDT
From: Shephed@aol.com
To: <qrp-1@lehigh.edu>
Subject: [77142] Re: WARNING re License Renewals and ULS (vs CORES)
Message-ID: <200008111632.MAA70018@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Same thing, that's his alter-ego.
You know, stately Wayne Mannor. :-)
In a message dated Fri, 11 Aug 2000 11:53:56 AM Eastern Daylight Time, David
Hinerman <dlh1009@ritvax.isc.rit.edu> writes:

<< > W5YI is the anti-christ of Ham Radio.
>

Dan,

I thought that was Wayne Green! (Grin)

Dave

>>

Date: Fri, 11 Aug 2000 10:48:04 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu
Subject: [77143] Gold Rush event is THIS SUNDAY!
Message-ID: <3993D9E4.3455.263FA3@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

As an added bonus, there's a complete overlap with the Fox Hunt, which should make things interesting!

The Gold Rush is one of two (summer and winter) single band CW sprints that CQC puts on, and it has three things that combine to make it unique fun--

- 1-- it's only 2 hours long
- 2-- you can work the same station 3 times, half an hour apart, and
- 3-- entry classes are based on antenna type, which really levels the playing field.

He's the official blurb-- I hope to exchange numbers with you Sunday...

The Great Colorado Gold Rush
Sunday, August 13, 2000
2000-2200 UTC * CW Only * 20 Meters

Sponsored by the Colorado QRP Club

It was Colorado, 1859. A land swindler had just published the first issue of the Rocky Mountain News in the settlement that would become Denver. A year earlier, small placer gold deposits were found in that old settlement, near the confluence of the South Platte River and Cherry Creek. And then came the big gold strikes! George Jackson discovered gold in Chicago Creek near Idaho Springs. John Gregory made his famous gold strike not far away, in Clear Creek Canyon. Prospectors dreaming of riches poured into the new gold camps of Central City, Black Hawk, Boulder, Colorado City, Gold Hill, Hamilton, Tarryall, and Pueblo. The fever ran high. The Great Colorado Gold Rush had begun!

Barely a century and a half later, the rush is on again. This time it's the rush to work all states, to join the ranks of DXCC, the desire to sound like a kilowatt but driven only by milliwatts - truly the rush to achieve the impossible.

In honor of our state's colorful history and the excitement and challenge of QRP, the Colorado QRP Club proudly announces The Great Colorado Gold Rush. This will be a QRP amateur radio contest of unparalleled magnitude, of incredible dimensions, of such unbelievable proportions that---well, it's really just a summer sprint. Two fast hours of heavy fist pounding. Do your best. Have fun. And good luck in the contest.

When: Sunday, August 13, 2000
Time: 2000-2200 UTC
Band: 20 meters only
Mode: CW only
Power: 5W maximum
Classes: W, V, B, P

W--WIRE: single element wire; including dipoles, random wires, Zepp, doublets, inverted V, slopers, single element loops, inverted L, etc.

V--VERTICAL: verticals; including single element, ground plane, trapped vertical, or anything with vertical polarization and more or less omnidirectional pattern.

B--BEAM: multi-element arrays/beams; including beams, multi-element loops, phased verticals, V-beam, rhombic, etc.

P--PORTABLE: non-mobile temporary field station; emergency power; may use any type of antenna.

Exchange: RST + SPC + Class + CQC Member # or Pwr Out. Examples: 559 C0 V 345 -or- 559 CT P 5W.

Multiple Contacts: The same station may be worked up to three times during the contest, provided a minimum of 30 minutes has elapsed since the last QSO with the same station.

Scoring:

3 points for first contact with a station.

2 points for second contact with the same station.

1 point for third contact with the same station.

Multipliers: all multipliers count once over all. Multipliers are SPC's and CQC members worked.

Final Score: QSO Points x SPC x CQC Members = Total Score

Logs: Submit logs showing time (UTC), callsign, exchange and QSO points for each station worked, show totals of multiplier points. Example:

Time	Call	SPC	Ant	Mem#	Pwr	Pts
2005	W0CQC	C0	V	132		3
2012	N1FN	CT	W	151		3
2036	W0CQC	C0	V	132		2
2037	KA8OM	MI	P	5W		3
2115	W0CQC	C0	V	132		1

Totals 3 2 12

Dupes: W0CQC - 2005 2036 2115

SPC: C0 CT MI

CQC#: 132 151

Please include a scoring summary, an alphabetical dupe sheet showing times and calls of multiple contact stations, SPC's and CQC Member numbers. Also include a description of your equipment, antenna(s) used, and power output. Send your comments on the contest. All submissions must indicate entry class and your mailing address including e-mail address if available.

Log Deadline: Logs must be postmarked or emailed no later than 30 days post-contest (September 13, 2000). Logs received after this deadline will be used as check logs only.

Mail: CQC Gold Rush, c/o CQC, POB 371883, Denver CO 80237-1883

E-mail: contest@cqc.org. All E-mail submissions should be in ASCII format only. And you must include a scoring summary.

Awards: Awards will be given for the highest score in each class.

Date: Fri, 11 Aug 2000 12:50:57 -0400
From: tbowman@nbn.net
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [77144] Re: Wnated: LED SWR Indicator Circuit
Message-ID: <0064e5850160b80NBN2@nbn2.nbn.net>

Check the following circuit:

<http://www.wa3rey.com/ledswr.htm>

73,

Tom, WA3REY

On Fri, 11 Aug 2000 11:30:07 Firefox@Southwind.net wrote:

>
>Would any of you know if there is a circuit to add a LED SWR indicator to
>a
>tuner, as per ZM2 or BLT ?
>I would like to try to add one if possible.
>
>thanks
>
>

Date: Fri, 11 Aug 2000 12:44:43 -0400
From: Jerry Albertin <kg2jf@juno.com>
To: qrp-l@lehigh.edu
Subject: [77145] Re: Items FS; Going QRP QRT
Message-ID: <20000811.124446.-23731.7.kg2jf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks to all who replied.....all the items listed have been spoken
for.....Jerry

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 11 Aug 2000 13:12:59 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [77146] K0EVZ FOX log (first draft)
Message-ID: <200008111313_MC2-AF60-BD6C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Here is the first draft of last evening's Summer FOX Hunt. Thanks again
everyone for taking part, and I wish I could have worked everyone. Pleas=
e
check this draft for errors and let me know and changes by this coming
Sunday 8/13/2000. =

Again, I am sorry for any/all I missed. Conditions were not good to all
parts of the
USA. Let's hope for better conditions next time. Thanks everyone for
participating.

Sorry for the OT post, but to the fountain of knowledge I come seeking ;-)
PLEASE reply direct only, no list OT thread please...

Niel

Date: Fri, 11 Aug 2000 10:28:06 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: EleCraft mail list <elecraft@qth.net>
Subject: [77148] K1 Shipping Status; New K2 Review
Message-ID: <399437A6.3F14240D@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

We've updated the K1 shipping status at:
http://www.elecraft.com/elecraft_shipping_status.htm

Brian Jones, G0UKB, has also written some comments on the K2 from both a builder and user perspective. You can view it at:
http://www.elecraft.com/K2_Cust_Cmts/new/g0ukb.htm

We're buying K1 parts like crazy right now. I can barely move when I enter the office ;^>

73, Eric

--

<http://www.elecraft.com>

Date: Fri, 11 Aug 2000 09:39:03 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [77149] PROP- Auroral effects in Anchorage de AL7FS
Message-ID: <39943A37.AFDDD7BD@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I thought you might enjoy seeing the aurora from Anchorage. This link is only good for today as it is from the Anchorage Daily News and will

be replaced sometime tonight.

<http://www.adn.com/metro/0,2630,,00.html>

=====

Note the e-Alert figures for last night:

Subject: e-alert 08.11 12:30 UTC

SFI=181 | A=26 | K=5 down from 6 at 1200 on 11 August.

SAF: low to moderate, GMF: at active to major storm levels

Aurora Level: 10 Solar Wind: 437.9 km/s at 2.6 protons/cc

More: <http://hfradio.org/propagation.html>

=====

When I have an Aurora level of 10 I can usually figure on doing something other than QRP operating. This morning it was still listed at a 9 level and that means I will be up tuning my Gap Titan antenna this morning.

I hope to be heading out to KL7Y's QTH a bit more often this fall and winter and his antennas can often make an opening when I don't have one here at the house. I hope to work many of you with Dan's 3 elements on 40 meters at 160 feet this winter. There is a chance he will have stacked 40 meter beams to the North for European contacts. Now that could be fun.

73, Jim

Jim Larsen, AL7FS, Anchorage, Alaska

QRP-L CD Ver. 3.1 available: <http://www.qsl.net/al7fs/QRP-CDver3.htm>

QRP ARCI #6754 Check out <http://www.qrparci.org/>

<http://www.qsl.net/al7fs/> <mailto:al7fs@pobox.alaska.net>

Date: Fri, 11 Aug 2000 13:40:15 -0400

From: Bill Coleman AA4LR <aa4lr@radio.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [77150] RE: Teaching 5 WPM Code

Message-ID: <1000711134015.NAA20708@gate.iterated.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 8/11/00 7:25 AM, Arthur Laurent at ALaurent@npr.org wrote:

>Interesting! Have you checked out the Smithsonian Web page with Morse's
>"What Hath God Wrought" strip?

No, can you supply a URL?

>Was Morse's code intended to be sent mechanically (by machine) as well?

I believe so.

>And at what speed?

I do not know, but the speed must not have been in excess of 50 wpm, as operators were able to copy by ear.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org

Quote: "Boot, you transistorized tormentor! Boot!"

-- Archibald Asparagus, VeggieTales

Date: Fri, 11 Aug 2000 12:10:11 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Shepherd@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77151] Re: WARNING re License Renewals and ULS (vs CORES)
Message-ID: <Pine.LNX.4.10.10008111200080.1173-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

As a VE and understand what's going on I wish to defend W5WI just a bit. One way to renew your license is to attend a VE session and put in the VE made form called a form 605. This is a simple form compared to the FCC version and is far easier to fill out. The bad side is you must pay the VEC \$6.65 for a normal VE session. This money helps to pay the VEC staff and cover costs of printing forms ect.

According to people at ARRL they must fund almost all of the VEC costs from ARRL funds. If you want to renew free you need to be able to get to the FCC web pages and find the proper one to renew on. All this is not simple.

So the fee that W5WI is collecting from the QRZ web page is proper I guess.

On Fri, 11 Aug 2000 Shepherd@aol.com wrote:

> W5YI is the anti-christ of Ham Radio.

>

> 72, 73, oo's

> Dan, N8IE Kettering,Oh

> FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667 SOC #284
> <http://members.aol.com/shephed/n8ie.htm>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 11 Aug 2000 11:14:31 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>, Kent Torell
<Kent_Torell-P12255@email.mot.com>, Roger Hightower <n7kt@worldnet.att.net>,
Bob Hightower <nk7m@extremezone.com>
Subject: [77152] Contest: BUBBA Contest Now Supported in QRPDUPÉ Program
Message-ID: <39944287.C302DFC1@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks:

The BUBBA contest has been added to the supported contests within
QRPDUPÉ. Just go to the site below to download this cuurent (8-10-2000)
Version:

<http://www.dancris.com/~bkassel/index.htm#top>

Brian K7RE

Date: Fri, 11 Aug 2000 12:36:12 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-1@lehigh.edu
Subject: [77153] [PROP] Lunchtime update
Message-ID: <Pine.SUN.4.10.10008111213140.3340-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

We are just now coming out of a MAJOR to SEVERE geomagnetic storm,
with the K index reaching 7 ... now at 4, and cooling back down to
normal levels by this evening. This was triggered by another shockwave

in the interplanetary field. Solar wind increased, the density increased, and the direction of the interplanetary magnetic field shifted from its normal northward to southward ... all the signs of a CME shockwave triggering a geomagnetic storm.

Normally, the magnetic field of the interplanetary magnetic field (IMF) points northward, that is, they flow from the south to the north when compared to the Earth. Thus when these field lines come in contact with the Earth's magnetic field, they are flowing the same direction. But when disturbances in the solar wind arrive, it often causes this IMF field to flow southward compared to the Earth, and needless to say, this causes strong interactions with the normal magnetic field flows of the Earth's magnetic field, causing our field to wiggle and jiggle and weaken, allowing electrons and protons of the solar wind to enter our upper atmosphere by punching a hole through our magnetic field. These particles, once inside our magnetic field, get caught in our electric field, flowing along assisting in above normal generation of currents, which of course causes gobs of HF noise and fuels the aurora.

Today's disturbance is believed to be from a CME that was not flare related. This is a whole new area of space science, in that until all these satellites were placed in orbit to monitor the sun, it was believed that CME's (coronal mass ejections) were triggered by flares. So far this solar cycle, we now know that over 60% of the detected CME's are NOT flare associated. CME's spewing mass and particles into space seem to occur all by themselves. And when they are associated with flares, it appears the CME actually occur several tens of minutes BEFORE the flare. This is causing the models of CME's, flares and the sun-earth coupling to trigger geomagnetic storms to be completely reworked ... and a work in progress.

So because no good model yet exists for what causes a CME without the associated flares, predicting these geomagnetic storms from CME data alone (no accompanying flare) is difficult and uncertain.

Anyway, this morning's geomagnetic storm wiped out Canada to Alaska hams with SEVERE storm levels, and still trashed the U.S. pretty good with MAJOR storm levels. It is now subsiding and HF conditions should be back to normal by this evening providing no more unexpected shockwaves arrive.

Tomorrow, 12 AUG, a shockwave from a full-halo CME couple of days ago is expected to produce 6-9 hours of minor to perhaps major geomagnetic storming. This CME was also NOT associated with a flare.

The more data astronomers have about the sun, the more they realize how little they understand. Solar physics is a fascinating study involving energies, temperatures and mechanisms that just don't exist on Earth, causing great struggles to understand it. And this solar cycle has

proven conclusively that the majority of CME's are not associated with flares has certainly thrown a wrench into the previous thinking.

Interesting stuff, eh?

As of about noon, Mountain Time, I noticed the >10MeV proton energies have exceeded threshold levels. Since there has been no flare today, these must be energetic protons carried along with the solar wind. This could trash Canada-Alaska even worse, initiate a Polar Cap Absorption (PCA) event, and fuel the aurora. So those of you in the higher and middle latitudes *could* have a nice auroral display tonight while looking for those Perseid meteorites :-)

I'll post an update later today when all the official NOAA data and reports come out for this weekends most likely forecast.

72, Paul NA5N

Date: Fri, 11 Aug 2000 14:44:38 EDT
From: Shepherd@aol.com
To: <qrp-1@lehigh.edu>
Subject: [77154] Re: One Half of a G5RV
Message-ID: <200008111844.0AA100592@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Then in fact your using a G2.5RV or G5RV/2. :-)

72, oo

Dan, N8IE

In a message dated Fri, 11 Aug 2000 2:29:05 PM Eastern Daylight Time, tom palmer <n1tp@worldnet.att.net> writes:

<< Hi, gang:

A few minutes ago I dicovered that one leg of my 20 meter antenns - G5RV- was disconnected. I think t hat's been the case during the past 3 hunts. It's also - no doubt - why I'm the only Florida based Swamp Rat not to bag N0UR!

RESULT: I worked DOC last night with one half a G5RV!!!!

Oh, well

Cheers,

Tom. N1TP

>>

Date: Fri, 11 Aug 2000 14:57:09 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [77155] "QRP DX TU" or Thanks for the kind words.
Message-ID: <Pine.BSF.4.21.0008111232140.72290-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> WAS Re: Dremel Cut-off Wheels- Reinforced

Hi Dr. Bob,

Thanks for the Comments. We all appreciate being appreciated, but it is not often that we get the Attaboys we all seek. :^)

I have been involved in QRP since I got my first ticket back in 1962, but not really seriously until about 1978 when I got my license back.

When I got out of the Air Force in '64 and Went to work for Ma Bell, and then got Married. I had to let the radio stuff slide for a few years. Next thing you know my license had lapsed.

Then, I happened across a QST Magazine and Read the Doug DeMaw, (W1CER) W1FB (sk) article about the Herring Aid 5 (Hearing Aid 5) (sp?). I built that project and used it to Copy W1AW. I practiced my code for about a year that way, then took the code proficiency test that was sent by W1AW.

After that I decided to stop in at FCC Offices in Washington and take the test. I was surprised to see so large a crowd there right after the christmas holidays. I took the tests but ran out of time to do them all. I asked if I had passed enough to get my Original Ticket back. (Tech.) The reply was that you have Passed the requirements for your General. Would you like to have the "Old Callsign back"? What ! Yes, sure didn't know I could do that. So there I stood the Resurrected

"K3TKS" (grin).

A bit later, the Local Club VEC encouraged me to take the Advanced and Extra Exams. I was the Technical Librarian at our Local Ham Radio Store, Maryland Radio Center in Laurel, MD. (Only non-paying job). The fringe benefits were great. (Discounts on toys and lots of free books and magazines) Also 1st or 2nd choice on the "Public Junque Box" (actually Mike C. WA8MCQ/3) had 1st choice. (He worked in the repair shop).

Sorry to say, but "MRC" is no longer in the Ham Radio Business, but we made a lot of great friends there and the memories will last a lifetime. It was the home of the "Maryland Milliwatt Club" for several years. Actually, Mike and I founded the Club right there in the Tech. Library one Saturday. 1986 as I recall. I also was involved with the Ham Radio BBS that Jerry Johnson (The store Owner) provided for our fun. (Yes, before www got hot). I also started using the "QRP DX TU" (C) 1986 K3TKS at that time. I was into QRP Dxing at the time.. I never got around to sending for the awards, but I am pretty sure I can dig up the required QSLs for DXCC QRPp. OH!, I forgot A.R.R.L. (Love 'em) don't offer QRP or QRPp Endorsements for that one? I heard that they are starting to think about reconsidering that shortcoming in their awards program. Did I mention that QRP ARCI will give you some real nice QRP & QRPp Awards? Check their Web Page <www.qrparci.org> and Don't forget the G-QRP Club (U.K.) they are also Top Gun Class QRP Club. Try them at <www.gqrp.com>, or check with the Rev. George Dobbs, G3RJV at <g3rjv@gqrp.com>.

If you can only join a few QRP Clubs, Make sure these are on your list.

QRP ARCI, G-QRP Club, & NORCAL. There are many more, and lots of good ones, but these are truly the "BIG THREE" in the World of QRP.

QRP & QRPp, Have grown with leaps and bounds over the past ten plus years.

Actually, the Snowball is just starting down the mountain.

Look at all the existing Ham Radio Publications. They ALL have something for QRP now days. That didn't happen by accident...

Guess I got a bit carried away with this note.. (g)

Yes, I love QRP & QRPp. I wish I had more time to get on the air again.

Since I took the early retirement from (Lucent Technologies) three years ago, I have been caught up in trying to make a living working for myself. Easier said than done. (g) I haven't had time to fix my busted rigs since Dayton 2 years ago. I also have one of the oldest Unbuilt K2 Kits in the USA. Maybe I should go downstairs and check the serial number and check

with Elecraft Website to see if there are any others actually older or not. (g)

O.K., I checked the box, Mine is serial Number 00154, Invoice 10188, dated 6/22/99. I peeked into the box for the Invoice. Nothing opened Yet. (g)

Elecraft (831) 622-8345 email:radios@elecraft.com <www.elecraft.com>

No, I don't have any interests in Elecraft, LLC (Wish I did. (g))

They just make the Best QRP Kit on the market right now. IMHO

Well, Bob

I have rambled on quite a bit more than planned, but I do that, some say I like to talk. (g) I have QRP in my blood, I have always been QRP, and will likely always be QRP. This is a great hobby, but only if you share it with others. Why do you think all those guys in the QRP Hall of Fame get there? Not because they seek it, It is because they "LOVE QRP" and want to share it with others.

I should list the details on joining the QRP Clubs and Obtaining all of their fine QRP Publications, but I will leave that for those with more time. It only takes a few clicks and you can be on your way to a lifetime of Love, Friendships, Happiness, Excitement and Education. Start Now: Join us at QRP ARCI for a Lifetime of Fun. Click Here: <www.qrparci.org>

You will find Membership Application and Links to "The World of QRP"

Don't forget to check MI-QRP and NJ-QRP and many of the Local Smaller Clubs. I hate to leave any out, there are hundreds of them now.

I lost track of even the ones that I have membership numbers for.

I used to list them in my sig line, but it got so long they thought that was the email "Text" (g).

"QRP DX TU" (C) 1986 K3TKS

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Locksmith Services
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

On Fri, 11 Aug 2000 Drbob92031@aol.com wrote:

> Sir George;
> Beautiful and informative.
> Bob. into scale model furniture and WA2EAW
>

Date: Fri, 11 Aug 2000 15:08:32 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:n1tp@worldnet.att.net" <n1tp@worldnet.att.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [77156] One Half of a G5RV
Message-ID: <200008111509_MC2-AF69-813F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Tom:

Then I guess that the correct nomenclature for your antenna would be a
G2.5RV, right? :-). Either way, you got through last evening and that is=

what counts.

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail =3D K0EVZ@arrl.net

Date: Fri, 11 Aug 2000 15:26:53 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77157] ATU for the K2
Message-ID: <007f01c003ca\$1ef629a0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I hope the people at Elecraft realize they just ruined my weekend.
Getting me my new ATU in my hands in 2 days....

You know what this will be like, trying to leave it on the shelf
unopened
till next week?

Geesh!! Most companies don't move that fast when they're sending
out the BILLS!!

Mike

Date: Fri, 11 Aug 2000 15:21:45 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-1@Lehigh.EDU>
Subject: [77158] Ft Tuthill Building Contest Winners
Message-ID: <005701c003c9\$6d493d00\$100d5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Did anyone get any pictures of the equipment that
won the different categories?

All I see is the awards being handed out and no equipment pictures.

72 & 73
Good DXing

Ron Polityka

de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.n3epa.org
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	

Date: Fri, 11 Aug 2000 19:31:24 -0700
From: Jon Iza <iapizloj@biccc00.bi.ehu.es>
To: qrp-l@lehigh.edu
Subject: [77159] Re: "no-see-um" antenna
Message-ID: <3994B6FC.4E2D@biccc00.bi.ehu.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,
the most memorable "no-see-um" antenna was installed in a flat where the families of some military policemen were living. Short after construction work, a ham and some buddies went there. He new which one was going to be his apartment, so there they went armed with some coax cable and a trapped dipole. They calculated the height up and down his flat and they used the only non-visible (and usually non inspected hole) in the building: the pipe connecting the WCs. They removed the "seat" and throw a fishing line down the tube, capturing it at the ham's place with a piece of wire as a hook. OK, at that time all was clean!!! Later on, the used the fishing line to drag up one leg of the dipole, and they let the other one dangling down the tube. After reinstalation of the seats, the only visible thing was a coax cable at the toilet seat of the ham's apartment. The antenna is working remarkably well, although right now I'm sure is a big piece of sh.t :-) :-)
Hope you'll get a kick for the weekend.
Be well.
jon, ea2sn

--

jon iza ea2sn since 1978 qrp'er at large!
ea-qrp-c = g-qrp-c = qrp-arci = norcal = qrpl = dl-qrp-ag
ure - arrl/life - darc - veron - rsa - nzart - wia - rac - rig ...

Date: Fri, 11 Aug 2000 14:40:05 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'myetsko@insydesw.com'" <myetsko@insydesw.com>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>
Subject: [77160] RE: ATU for the K2
Message-ID:
<4734702CFA3CD411A74A00805F57A3B703E3F432@dfwex01.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Why wait until next week, Mike? Can't you convince your significant other
to let you work on the assembly? Or could you "play sick" and once she
leaves
the house (loan her your credit card for a shopping trip!), you can pounce
on the
project as soon as you hear the garage door go down!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Mike Yetsko [SMTP:myetsko@insydesw.com]
Sent: Friday, August 11, 2000 2:27 PM
To: Low Power Amateur Radio Discussion
Subject: ATU for the K2

I hope the people at Elecraft realize they just ruined my weekend.
Getting me my new ATU in my hands in 2 days....

You know what this will be like, trying to leave it on the shelf
Unopened till next week?

Geesh!! Most companies don't move that fast when they're sending
out the BILLS!!

Mike

Date: Fri, 11 Aug 2000 13:02:13 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: wb3aal@fast.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77161] Re: Ft Tuthill Building Contest Winners
Message-ID: <39945BC5.8602094B@swlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron Polityka wrote:

> Hello,
>
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> won the different categories?
>
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> 72 & 73
> Good DXing
>
> Ron Polityka
> de WB3AAL
> wb3aal@fast.net
>
> vvv Eastern Pennsylvania QRP Web Page vvv
> <http://www.n3epa.org>
> Eastern Pennsylvania QRP Club Call
> N3EPA E-mail address: n3epa@fast.net
>

Ron,

Take a look at the following URL:

<http://www.swlink.net/~w5jh/ft/ft96.jpg>

The winning tranceiver is in the lower right. It is a SST20 converted to 40 meters with a VFO added. The winning accessory is the 6M XVTR in the upper right of this picture.

<http://www.swlink.net/~w5jh/ft/ft97.jpg>

This picture shows the "Ugliest Thing" winner. It is the small keyboard and attached keyer at the top.

<http://www.swlink.net/~w5jh/ft/ft100.jpg>

This is a close up of the Best of Show winner. It is Dan Tayloes mini-Stinger 40M XCVR.

--

73, Jerry Haigwood, W5JH, Peoria, AZ USA
web page <http://www.swlink.net/~w5jh/>

Date: Fri, 11 Aug 2000 16:05:01 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [77162] Re: Ft Tuthill Building Contest Winners
Message-ID: <005b01c003cf\$6ef77a80\$e2125cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all for the information!

----- Original Message -----

From: "Ron Polityka" <wb3aal@fast.net>
Subject: Ft Tuthill Building Contest Winners

> Hello,
> Did anyone get any pictures of the equipment that
> won the different categories?
> All I see is the awards being handed out and no equipment pictures.

72 & 73
Good DXing

Ron Polityka
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ARS # 380	HI QRP #153

VA QRP Society #45 MI QRP #1703
K2 sn1392

Date: Fri, 11 Aug 2000 17:26:47 -0400
From: Jerry Albertin <kg2jff@juno.com>
To: qrp-1@lehigh.edu
Subject: [77163] RE:FS QRP QRT
Message-ID: <20000811.172648.-3603.1.kg2jff@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I just found one last qrp related item that the group may be interested:

LCD RF Frequency Counter by RadioShack #22-306

Measures 1mhz to 1.3ghz Purchased new abt 3 months ago. Excellent
condition with documentation.... \$50 shipped

Again, all the items I listed earlier have been spoken for, thanks to all
who replied.....Jerry

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 11 Aug 2000 15:45:42 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Paul Harden, NA5N" <na5n@rt66.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77164] Re: [PROP] Lunchtime update
Message-ID: <Pine.LNX.4.10.10008111543450.1828-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 11 Aug 2000, Paul Harden, NA5N wrote:

> Gang,
> We are just now coming out of a MAJOR to SEVERE geomagnetic storm,
> with the K index reaching 7 ... now at 4, and cooling back down to
> normal levels by this evening. This was triggered by another shockwave
>

Well this must be why New England didn't hear the FOX yesterday.
And why Doc was 40 DB over s9 down in El Paso, TX area.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 11 Aug 2000 14:56:48 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <AD6JY@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77165] Re: Jumping P-TICKs
Message-ID: <001f01c003df\$0d46ada0\$e3424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Any suggestions on how to restrain the paddles and still keep them
portable?

Dan,

Strap it to your leg (with Velcro?).

72,

John, K6QQ

Date: Fri, 11 Aug 2000 18:16:54 -0400
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu
Subject: [77166] Appalachian Trail Station 8/12
Message-ID: <3.0.6.32.20000811181654.008ec2b0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

There will be a portable station on the Appalachian Trail
Saturday 8/12. Actually there may be three on the air all
day long. Please look for N2CQ, WB3AAL and WA3WSJ on the

ususual QRP frequencies, including 10.116. Please give us a call.
We will be in Eastern PA. Anyone unfamiliar with the Awards
available for working Appalachain Trail stations and Trail States,
see the details at: <http://www.n3epa.org/Pages/AT/AT.htm>

Hope to hear you then!

72 de Ken N2CQ@ARRL.NET

End of QRP-L Digest 1910

